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Bond cover. 274
Mass. Treasury dept.

Commonwealth of Massachusetts.

STATE HOUSE, BOSTON

BONDS ISSUED, SINKING FUNDS AND ASSESSMENTS

OF

METROPOLITAN DISTRICTS AND ARMORIES.

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL.



BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.

1905.

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Commonwealth of Massachusetts.

TREASURY DEPARTMENT, BOSTON, July 1, 1905.

In order that those interested in the Metropolitan District and Armories may have full information respecting the financial situation relating thereto, this statement is issued.

The securities in the Sinking Funds are given as of June 1, as the securities on hand January 1, 1905, appear in the last annual report of the Treasurer and Receiver General.

ARTHUR B. CHAPIN,
Treasurer and Receiver General.

METROPOLITAN WATER WORKS.

The Metropolitan Water District as originally established* embraced the cities of Boston, Chelsea, Everett, Malden, Medford, Melrose, Newton and Somerville and the towns of Belmont, Hyde Park, Revere, Watertown and Winthrop. The city of Quincy and the towns of Nahant, Arlington, Stoneham, Lexington and Milton have since been admitted into the District.

The Board under the Act of 1895 took the sources of water supply of the city of Boston, embracing the Cochituate, Sudbury and Mystic systems and the Chestnut Hill Reservoir and pumping station. It has completed the large Sudbury Reservoir which was under construction at the time of the taking, built the Wachusett Aqueduct from the Nashua River in Clinton to the Sudbury Reservoir, the Weston Aqueduct from the Sudbury Reservoir to the Charles River, and has nearly completed the great Wachusett Dam and Reservoir. The Board has also laid about 85 miles of main water pipes throughout the Metropolitan District and has built pumping stations and other works of water supply.

The water is supplied by the Board to the various cities and towns, which distribute it each to its own inhabitants.

Authority has been given to the Treasurer of the Commonwealth to issue bonds to an amount not exceeding \$40,000,000 for the expenditures of the Board, which on June 1, 1905, had amounted to \$38,698,240.56.

Annual assessments are made to pay interest, sinking fund and maintenance charges. Boston is assessed the proportion which its valuation bears to the total valuation of the District. The other municipalities are assessed one-third in proportion to their valuations and two-thirds in proportion to their populations, except that those having still sufficient local supplies pay only one-sixth of the full assessment; but in 1906 consumption of water will be substituted for population in the basis of assessment.

The estimated population of the District in 1905 is 972,600. The total consumption of water for the year 1904 from Metropolitan sources was, upon the average, 114,876,000 gallons per day. With the substantial completion of the Wachusett Dam and Reservoir it is estimated that the Metropolitan Works have a daily capacity of 173,000,000 gallons.

HENRY H. SPRAGUE, *Chairman.*

* Acts 1895, ch. 488; Water and Sewerage Boards consolidated, Acts 1901, ch. 168.

Bonds Issued by the Commonwealth for account of Metropolitan Water District.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price received. | Due Date. | Premium. |
|--------------------------|--------------|-------------------------------|-----------------|---------------|----------------|
| Sep. 25, 1895, | \$5,000,000 | 3½ | 110.67 | July 1, 1935, | \$533,500 00 |
| Nov. 23, 1896, | 2,000,000 | 3½ | 115.829 | July 1, 1935, | 116,580 00 |
| Feb. 8, 1897, | 6,000,000 | 3½ | 107.82 | July 1, 1935, | 469,200 00 |
| Jan. 13, 1898, | 2,000,000 | 3½ | 113.176 | Jan. 1, 1938, | 263,520 00 |
| Mar. 2, 1898, | 2,000,000 | 3½ | 112.877 | Jan. 1, 1938, | 257,540 00 |
| June 15, 1899, | 3,000,000 | 3 | 100.64 | July 1, 1939, | 19,200 00 |
| June 28, 1900, | 1,000,000 | 3 | 102.78 | July 1, 1939, | 27,800 00 |
| Mar. 5, 1901, | 3,000,000 | 3 | 102.155 | Jan. 1, 1941, | 64,650 00 |
| July 24, 1901, | 100,000 | 3 | 100.375 | Jan. 1, 1941, | 375 00 |
| July 24, 1901, | 150,000 | 3 | 100.10 | Jan. 1, 1941, | 150 00 |
| July 30, 1901, | 205,000 | 3 | 100.25 | Jan. 1, 1941, | 512 50 |
| July 31, 1901, | 50,000 | 3 | 100.25 | Jan. 1, 1941, | 125 00 |
| Aug. 7, 1901, | 50,000 | 3 | 100.50 | Jan. 1, 1941, | 250 00 |
| Aug. 8, 1901, | 300,000 | 3 | 100.10 | Jan. 1, 1941, | 300 00 |
| Aug. 8, 1901, | 200,000 | 3 | 100.25 | Jan. 1, 1941, | 500 00 |
| Sep. 17, 1901, | 3,100,000 | 3½ | 106.71 | Jan. 1, 1941, | 208,010 00 |
| Oct. 1, 1901, | 1,345,000 | 3 | 100. | Jan. 1, 1941, | - |
| Oct. 24, 1901, | 1,500,000 | 3 | 100. | Jan. 1, 1941, | - |
| Feb. 26, 1902, | 500,000 | 3½ | 109.13 | Jan. 1, 1942, | 45,650 00 |
| Feb. 26, 1902, | 3,000,000 | 3½ | 109.13 | Jan. 1, 1942, | 273,900 00 |
| Apr. 7, 1903, | 250,000 | 3½ | 106.725 | Jan. 1, 1943, | 16,812 50 |
| Apr. 17, 1903, | 1,250,000 | 3½ | 106.1329 | Jan. 1, 1943, | 76,661 25 |
| Jan. 15, 1904, | 500,000 | 3½ | 104.60 | Jan. 1, 1943, | 23,000 00 |
| Jan. 15, 1904, | 2,000,000 | 3½ | 104.60 | Jan. 1, 1944, | 92,000 00 |
| Mar. 24, 1905, | 650,000 | 3½ | 105.761 | Jan. 1, 1945, | 37,446 50 |
| | \$39,150,000 | | | | \$2,527,682 75 |

Sinking Funds of Metropolitan Water Loan.

| DUE. | Bonds issued. | Sinking Fund Jan. 1, 1905. | Amount of 1905 Sinking Fund including 3½ Accumulations at Maturity of Loan. | Balance to be sunk. | Sinking Fund Requirements in 1905. |
|------------------|---------------|----------------------------|---|---------------------|------------------------------------|
| 1935, | \$13,000,000 | \$1,965,122 28 | \$4,801,225 53 | \$8,198,774 47 | \$171,704 94 |
| 1938, | 4,000,000 | 461,062 77 | 1,231,739 40 | 2,768,260 60 | 50,056 58 |
| 1939, | 4,000,000 | 318,689 59 | 877,119 45 | 3,122,880 55 | 53,866 77 |
| 1941, | 10,000,000 | 528,374 43 | 1,543,465 13 | 8,456,534 87 | 133,044 13 |
| 1942, | 3,500,000 | 162,661 84 | 489,522 65 | 3,010,477 35 | 45,281 89 |
| 1943, | 2,000,000 | 53,626 69 | 166,264 75 | 1,833,735 25 | 26,387 54 |
| 1944, | 2,000,000 | 30,065 32 | 96,032 25 | 1,903,967 75 | 26,228 02 |
| 1945, | 650,000 | - | - | 650,000 00 | 6,998 45 |
| Total, | \$39,150,000 | \$3,519,602 92 | \$9,205,369 16 | \$29,944,630 84 | \$513,568 32 |

INTEREST ACCOUNT.

Metropolitan Water Loan.

| | |
|--|----------------|
| 1 year's interest on \$38,500,000, | \$1,293,000 00 |
| 8 months' and 16 days' interest at 3½ per cent. on \$650,000, issued Mar. 24, 1905, | 16,177 78 |
| Extra interest on advanced payments, | 26,216 13 |
| Total, | \$1,335,393 91 |

METROPOLITAN WATER ASSESSMENT.

MAY 26, 1905.

The total Metropolitan Water Assessment for the year 1905 is made up as follows : —

| | |
|--|----------------|
| Estimated cost of maintenance for 1905, as approved by Board, | \$380,000 00 |
| Interest on advances, | 3,699 26 |
| | <hr/> |
| | \$383,699 26 |
| Balance on hand Dec. 31, 1904, by State Treasurer's report to be deducted, | 55,075 10 |
| | <hr/> |
| Amount to be assessed for maintenance,* | \$328,624 16 |
| Interest,† | 1,335,393 91 |
| Sinking fund requirements, | 513,568 32 |
| | <hr/> |
| Total assessment for 1905, | \$2,177,586 39 |

* Interest on maintenance included.

† Interest on advances (\$26,216.13) included.

ASSESSMENT FOR CITIES AND TOWNS IN THE DISTRICT, FOR 1905.

Division of the Assessment for 1905 into Cost of Maintenance, Interest and Sinking Fund Requirements.

| CITY OR TOWN. | Cost of Maintenance.* | Interest † | Sinking Fund Requirements. | Total Assessment.‡ |
|-----------------------|-----------------------|----------------|----------------------------|--------------------|
| Boston, | \$265,399 32 | \$1,078,474 08 | \$414,761 60 | \$1,758,635 00 |
| Chelsea, | 7,005 06 | 28,465 69 | 10,947 39 | 46,418 14 |
| Everett, | 5,294 20 | 21,513 44 | 8,273 68 | 35,081 32 |
| Malden, | 7,503 42 | 30,490 86 | 11,726 23 | 49,720 51 |
| *Medford, | 4,320 85 | 17,558 15 | 6,752 54 | 28,631 54 |
| Melrose, | 3,090 46 | 12,558 36 | 4,829 71 | 20,478 53 |
| Newton, | 1,614 69 | 6,561 42 | 2,523 40 | 10,699 51 |
| Quincy, | 5,407 56 | 21,974 10 | 8,450 84 | 35,832 50 |
| Somerville, | 13,666 71 | 55,535 91 | 21,358 11 | 90,560 73 |
| Arlington, | 2,035 27 | 8,270 50 | 3,180 69 | 13,486 46 |
| Belmont, | 1,001 65 | 4,070 29 | 1,565 36 | 6,637 30 |
| Hyde Park, | 491 49 | 1,997 19 | 768 09 | 3,256 77 |
| Lexington, | 1,008 05 | 4,096 36 | 1,575 39 | 6,679 80 |
| Milton, | 2,502 22 | 10,167 96 | 3,910 42 | 16,580 60 |
| Nahant, | 558 32 | 2,268 81 | 872 54 | 3,699 67 |
| Revere, | 2,476 78 | 10,064 63 | 3,870 68 | 16,412 09 |
| Stoneham, | 1,307 25 | 5,312 13 | 2,042 95 | 8,662 33 |
| Watertown, | 2,367 74 | 9,621 53 | 3,700 26 | 15,689 53 |
| Winthrop, | 1,573 12 | 6,392 50 | 2,458 44 | 10,424 06 |
| | <hr/> | | | |
| | \$328,624 16 | \$1,335,393 91 | \$513,568 32 | \$2,177,586 39 |

* \$3,699.26 Interest on Advances for Maintenance Included.

† \$26,216.13 Interest on Advances Included.

‡ Found by multiplying Amount required by Ratio on page 6.

Copy of computations for determining the apportionment of the Metropolitan Water Assessment to cities and towns in the Metropolitan Water District, for the year 1905, made in accordance with chapter 488 of the Acts of 1895, as amended by chapter 489, Acts 1901.

| CITY OR TOWN. | Population 1900. | Valuation 1904. | Ratio of Population. | Ratio of Valuation. | Average Ratio, One-third Valuation, Two-thirds Population. |
|---------------------|---------------------|--------------------|-------------------------|------------------------|---|
| Boston,* | - | \$1,237,038,851 | - | .80760745239 | - |
| Chelsea, | 34,072 | 24,413,629 | .124772040 | .082844003 | .110796028 |
| Everett, | 24,336 | 21,504,000 | .089118700 | .072970611 | .083736004 |
| Malden, | 33,664 | 32,262,960 | .123277939 | .109479535 | .118678471 |
| Medford, | 18,244 | 21,042,150 | .066809729 | .071403392 | .068840950 |
| Melrose, | 12,962 | 15,237,855 | .047466987 | .051707384 | .048880453 |
| Newton,† | 5,598 | 10,495,952 | .020499938 | .035616445 | .025538773 |
| Quincy, | 23,899 | 24,032,370 | .087518402 | .081550257 | .085529020 |
| Somerville, | 61,643 | 58,056,700 | .225737346 | .197006738 | .216160476 |
| Arlington, | 8,603 | 9,891,225 | .031504281 | .033564394 | .032190985 |
| Belmont, | 3,929 | 5,526,045 | .014388041 | .018751808 | .015842630 |
| Hyde Park,† | 2,207 | 2,109,038 | .008082058 | .007156705 | .007773607 |
| Lexington, | 3,831 | 5,827,290 | .014029164 | .019774038 | .015944122 |
| Milton, | 6,578 | 20,791,195 | .024088709 | .070551814 | .039576411 |
| Nahant, | 1,152 | 5,320,743 | .004218637 | .018055147 | .008830807 |
| Revere, | 10,395 | 12,197,225 | .038066605 | .041389461 | .039174224 |
| Stoneham, | 6,197 | 4,904,206 | .022693482 | .016641690 | .020676218 |
| Watertown, | 9,706 | 12,159,549 | .035543479 | .041261613 | .037449524 |
| Winthrop, | 6,058 | 8,921,850 | .022184463 | .030274965 | .024881297 |
| Totals, | 273,074 | \$294,693,982 | 1.000000000 | 1.000000000 | 1.000000000 |

Assessment for Metropolitan Water District, \$2,177,586 39

Assessment for Boston, 1,758,635 00

Assessment for 8 cities and 10 towns above, \$418,951 39

* Boston's ratio, see page 3.

† In accordance with the provisions of the Act above referred to, but $\frac{1}{6}$ of the total population and valuation has been taken, as at present these municipalities have a sufficient supply and have not made application for water.

WATER INCOME IN METROPOLITAN DISTRICT FOR THE YEAR 1904.

The income for the year 1904 from the sale of water in the cities and towns supplied by the Metropolitan Works, Swampscott included, was \$3,393,251, equivalent to \$81.38 per million gallons used. In the year 1900 and subsequent years no payment was made in the cities of Boston and Somerville for water used for public purposes, and in some other municipalities the payments have been largely reduced. This change in policy has effected a reduction in the water income, estimated at present to be not less than \$350,000 per annum.

Comparison of Total Assessments, 1904 and 1905. With Revenue from Water Rates in 1904.

| | WATER ASSESSMENTS. | | Water Revenue received by Cities and Towns. 1904. |
|----------------------------|--------------------|----------------|---|
| | 1904. | 1905. | |
| Boston, | \$1,700,274 07 | \$1,758,635 00 | \$2,388,429 |
| Chelsea, | 44,507 49 | 46,418 14 | 113,960 |
| Everett, | 33,537 19 | 35,081 32 | 84,861 |
| Malden, | 46,499 48 | 49,720 51 | 101,753 |
| Medford, | 27,519 87 | 28,631 54 | 59,617 |
| Melrose, | 19,722 73 | 20,478 53 | 49,972 |
| Newton, | 10,359 65 | 10,699 51 | - |
| Quincy, | 34,084 24 | 35,832 50 | 93,801 |
| Somerville, | 86,736 93 | 90,560 73 | 216,027 |
| Arlington, | 12,972 76 | 13,486 46 | 39,110 |
| Belmont, | 6,391 85 | 6,637 30 | 14,006 |
| Hyde Park, | 3,091 24 | 3,256 77 | - |
| Lexington, | 6,391 91 | 6,679 80 | 16,712 |
| Milton, | 16,173 01 | 16,580 60 | 38,151 |
| Nahant, | 3,535 05 | 3,699 67 | 8,270 |
| Revere, | 15,717 42 | 16,412 09 | 48,173 |
| Stoneham, | 8,343 88 | 8,662 33 | 21,591 |
| Watertown, | 15,060 77 | 15,689 53 | 37,085 |
| Winthrop, | 9,880 83 | 10,424 06 | 40,564 |
| Total Swampscott excluded, | \$2,100,800 37 | \$2,177,586 39 | \$3,372,082† |

† Expense of local distribution paid from this also.

*Net Water Debt of Cities of the Original Metropolitan Water District.**

| | 1895. | 1905. | Reduction. |
|-----------------------|-----------------|----------------|----------------|
| Boston, | \$9,316,500 43 | \$623,310 56 | \$8,693,189 87 |
| Somerville, | 340,500 00 | 108,000 00 | 232,500 00 |
| Chelsea, | 282,577 00 | 217,393 00 | 65,184 00 |
| Everett, | 162,957 76 | 113,674 00 | 49,283 76 |
| Malden, | 515,738 30 | 321,418 99 | 194,319 31 |
| Medford, | 324,084 00 | 243,354 81 | 80,729 19 |
| Melrose, | 236,957 50 | 123,705 46 | 113,252 04 |
| | \$11,179,314 99 | \$1,750,856 82 | \$9,428,458 17 |

WATER WORKS MONEYS TRANSFERRED TO GENERAL REVENUE ACCOUNT,
BOSTON, CHELSEA, EVERETT AND SOMERVILLE, 1895 to 1905.*

Summary.

| | |
|-----------------------|----------------|
| Boston, | \$8,031,206 06 |
| Chelsea, | 251,115 31 |
| Everett, | 152,178 56 |
| Somerville, | 500,725 94 |
| Total, | \$8,935,225 87 |

* Furnished by Metropolitan Water and Sewerage Board.

Securities in Metropolitan Water Loan Sinking Fund, June 1, 1905.

| | | | |
|-----------------------------|------------|---------------------------|----------------|
| Abington, . . . | \$2,000 00 | Marblehead, . . . | \$500 00 |
| Adams, . . . | 55,000 00 | Marlborough, . . . | 2,000 00 |
| Athol, . . . | 18,400 00 | Massachusetts "Water | |
| Attleborough, . . . | 8,000 00 | Loan," . . . | 25,000 00 |
| Auburn, Me., . . . | 2,000 00 | Methuen, . . . | 10,000 00 |
| Avon, . . . | 2,000 00 | Natick, . . . | 29,000 00 |
| Barnstable, . . . | 7,500 00 | Needham, . . . | 51,000 00 |
| Barre, Vt., . . . | 51,000 00 | Norfolk County, . . . | 100,000 00 |
| Bellingham, . . . | 8,000 00 | North Adams, . . . | 265,550 07 |
| Bourne, . . . | 6,400 00 | Northampton, . . . | 41,000 00 |
| Bradford, . . . | 82,000 00 | North Attleborough, . . . | 25,925 00 |
| Braintree, . . . | 29,000 00 | Norwalk, Ct., . . . | 109,000 00 |
| Brewster, . . . | 9,000 00 | Orange, . . . | 1,000 00 |
| Brockton, . . . | 211,400 00 | Palmer, . . . | 16,000 00 |
| Cambridge, . . . | 313,000 00 | Portland, Me., . . . | 1,000 00 |
| Central Falls, R. I., . . . | 52,000 00 | Provincetown, . . . | 8,000 00 |
| Charlton, . . . | 2,000 00 | Quincy, . . . | 104,500 00 |
| Chelmsford, . . . | 2,400 00 | Randolph, . . . | 14,000 00 |
| Clinton, . . . | 7,000 00 | Reading, . . . | 19,000 00 |
| Colrain, . . . | 1,000 00 | Rochester, . . . | 2,000 00 |
| Cottage City, . . . | 9,000 00 | Rockport, . . . | 28,000 00 |
| Danbury, Ct., . . . | 25,000 00 | Salem, . . . | 7,800 00 |
| Danvers, . . . | 13,750 00 | Saugus, . . . | 38,000 00 |
| Dedham, . . . | 4,700 00 | Scituate, . . . | 10,000 00 |
| Deerfield, . . . | 6,000 00 | Sheffield, . . . | 1,500 00 |
| Douglas, . . . | 8,000 00 | Somerville, . . . | 18,000 00 |
| East Bridgewater, . . . | 2,000 00 | South Abington, . . . | 2,000 00 |
| Essex County, . . . | 242,000 00 | Stockbridge, . . . | 5,500 00 |
| Everett, . . . | 61,237 00 | Stoneham, . . . | 30,000 00 |
| Fall River, . . . | 251,000 00 | Sturbridge, . . . | 6,000 00 |
| Falmouth, . . . | 135,000 00 | Taunton, . . . | 10,000 00 |
| Fitchburg, . . . | 11,700 00 | Tolland, . . . | 4,000 00 |
| Foxborough, . . . | 17,500 00 | Upton, . . . | 12,000 00 |
| Foxborough W. S. D., . . . | 3,000 00 | Wakefield, . . . | 50,000 00 |
| Framingham, . . . | 17,310 00 | Walpole, . . . | 17,500 00 |
| Gloucester, . . . | 126,500 00 | Waltham, . . . | 4,000 00 |
| Grafton, . . . | 18,500 00 | Warren, . . . | 14,000 00 |
| Great Barrington, . . . | 2,000 00 | Waterbury, Ct., . . . | 20,000 00 |
| Holbrook, . . . | 1,000 00 | Watertown, . . . | 4,000 00 |
| Holyoke, . . . | 72,000 00 | Waterville, Me., . . . | 20,000 00 |
| Hudson, . . . | 90,400 00 | Webster, . . . | 12,000 00 |
| Hull, . . . | 7,000 00 | Wellesley, . . . | 4,000 00 |
| Lawrence, . . . | 28,500 00 | Westfield, . . . | 32,000 00 |
| Leicester, . . . | 18,500 00 | Westford, . . . | 7,000 00 |
| Leominster, . . . | 10,000 00 | West Springfield, . . . | 41,000 00 |
| Lexington, . . . | 27,600 00 | Weymouth, . . . | 7,500 00 |
| Longmeadow, . . . | 8,000 00 | Winchendon, . . . | 10,000 00 |
| Lowell, . . . | 10,000 00 | Winchester, . . . | 3,000 00 |
| Lynn, . . . | 221,000 00 | Winthrop, . . . | 23,400 00 |
| Malden, . . . | 16,000 00 | | |
| Manchester, N. H., . . . | 4,000 00 | | |
| Mansfield, . . . | 12,200 00 | | |
| | | Total, . . . | \$3,616,172 07 |

THE METROPOLITAN PARK SYSTEM.

A preliminary Metropolitan Park Commission was required by Chapter 342 of the Acts of 1892 to report upon "the advisability of laying out ample open spaces for the use of the public in the towns and cities in the vicinity of Boston." The report submitted by this preliminary commission has been the basis of all subsequent legislation and of the resulting Metropolitan Park System.

The Metropolitan Park Act* established a Metropolitan Parks District of Boston, Cambridge, Chelsea, Everett, Lynn, Malden, Medford, Melrose, Newton, Quincy, Somerville, Waltham, Woburn, Arlington, Belmont, Braintree, Brookline, Canton, Dedham, Dover, Hingham, Hull, Hyde Park, Milton, Nahant, Needham, Revere, Saugus, Stoneham, Swampscott, Wakefield, Watertown, Wellesley, Weston, Weymouth, Winchester and Winthrop. Westwood has been added by division of Dedham, and Cohasset has been required to join in payments on account of Nantasket Beach.

The Park Act also established the Metropolitan Park Commission with authority to "acquire, maintain and make available to the inhabitants of this district ample open spaces for exercise and recreation" within the district and to the extent of appropriations for that purpose. Appropriations under this act and amendments have been provided for by the Metropolitan Parks Loan on forty-year bonds of the Commonwealth; and this loan is being repaid by the several cities and towns of the district by annual payments in proportions fixed by an apportionment made each five years by the Supreme Judicial Court upon report of special commissioners appointed by it for that purpose. The Parks Loan, exclusive of incidental receipts, amounted, on December 1, 1904, to \$7,620,000, and will be increased by \$300,000 each year until and including the year 1907. Under the act the following reservations or parks have been acquired: Blue Hills, Middlesex Fells, Stony Brook, Beaver Brook, Hart's Hill, Hemlock Gorge, Charles River, Mystic River, Neponset River, King's Beach, and Lynn Shore, Revere Beach, Winthrop Shore, Quincy Shore. These reservations contain the most notable scenery and opportunities for recreation within the Metropolitan District, include lands lying in more than a single city or town, and supplement the local parks which the several cities and towns are providing within their several limits at their own expense. Briefly stated, these parks

* Chapter 407 of the Acts of 1893.

now include 7,283.83 acres of woodland, 1,799.85 acres forming a frontage of 47 miles of river-bank, 163 acres forming a frontage of 9.86 miles of seashore.

Chapter 464 of the Acts of the year 1899 specifically authorized "the acquirement of a portion of Nantasket Beach and adjoining lands, waters and rights therein including Strait's Pond" and included Cohasset in the number of cities and towns required to share in the cost. Appropriations made under this act have been provided for by a loan on forty-year bonds of the Commonwealth, which now aggregates \$700,000. Under this act about 5,600 feet of the Beach, and other land sufficient for administration buildings has been acquired.

METROPOLITAN PARKS — BOULEVARDS.

Chapter 288 of the Acts of the year 1894, known as the Boulevard Act, more specifically authorized the Commission "to connect any road, park, way or other public open spaces with any part of the cities or towns of the Metropolitan Parks District under its jurisdiction by a suitable roadway or boulevard." A separate loan was authorized for this purpose to be provided for, one-half by the Commonwealth and one-half by the cities and towns of the District according to an apportionment made at the same time and in a similar way to that provided for under the Park Act. This loan is known as the Metropolitan Parks Loan Series Two and now amounts to \$4,185,000, and will be increased by \$300,000 each year until and including the year 1907. Under this act the land for 25.61 miles of parkway has been acquired, and construction is either completed or well advanced upon the following parkways: Blue Hills, Middlesex Fells, Revere Beach, Mystic Valley, Neponset River, Fresh Pond, Furnace Brook, Nahant Beach and Lynnway.

Practically all claims arising out of acquirements of land thus far made have been satisfied out of the funds already available.

Under these acts the Park Commission is authorized to receive gifts of land and the Treasurer of the Commonwealth is authorized to receive and hold in trust gifts of money for any of the purposes for which the appropriations may be expended. Under this authority important gifts of land and money have been received by deed or under the will of public spirited citizens.

An apportionment of the cost of the Metropolitan Park System made in 1895 was set aside by Chapter 550 of the Acts of 1896 and a new apportionment provided for to begin with the year 1900. Payments have been made under this apportionment and a new apportionment is being made in 1905.

WILLIAM B. DE LAS CASAS, *Chairman.*

METROPOLITAN PARKS LOANS.*

Bonds issued.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price. | Due Date. |
|--------------------------|-------------|-------------------------------|----------|---------------|
| Apr. 4, 1894, | \$1,000,000 | 3½ | 108.535 | Jan. 1, 1934. |
| July 18, 1894, | 100,000 | 3½ | 109.375 | Jan. 1, 1934. |
| Dec. 12, 1895, | 200,000 | 3½ | 100. | Jan. 1, 1934. |
| Nov. 23, 1896, | 2,000,000 | 3½ | 105.829 | Jan. 1, 1936. |
| June 14, 1897, | 1,400,000 | 3½ | 106.938 | Jan. 1, 1937. |
| Aug. 22, 1898, | 1,000,000 | 3½ | 110.459 | July 1, 1938. |
| June 15, 1899, | 425,000 | 3 | 100.64 | July 1, 1939. |
| Sep. 27, 1900, | 80,000 | 3 | 100.79 | July 1, 1939. |
| July 5, 1901, | 450,000 | 3 | 100.10 | Jan. 1, 1941. |
| July 17, 1901, | 200,000 | 3 | 100.10 | Jan. 1, 1941. |
| May 21, 1903, | 100,000 | 3½ | 100. | Jan. 1, 1943. |
| May 21, 1903, | 25,000 | 3½ | 106.2424 | Jan. 1, 1943. |
| July 3, 1903, | 40,000 | 3½ | 104.419 | July 1, 1943. |
| July 3, 1903, | 300,000 | 3½ | 104.419 | July 1, 1943. |
| Jan. 15, 1904, | 300,000 | 3½ | 104.60 | Jan. 1, 1944. |
| Mar. 24, 1905, | 250,000 | 3½ | 106.575 | Jan. 1, 1945. |
| Mar. 24, 1905, | 120,000 | 3½ | 106.375 | Jan. 1, 1945. |
| | \$7,990,000 | | | |
| NANTASKET.† | | | | |
| June 15, 1899, | \$600,000 | 3 | 100.64 | July 1, 1939. |
| July 5, 1901, | 50,000 | 3 | 100.10 | Jan. 1, 1941. |
| July 17, 1901, | 50,000 | 3 | 100.10 | Jan. 1, 1941. |
| | \$700,000 | | | |

* See Acts of 1893, Chap. 407, Section 9. . . . Any premium realized on the sale of said scrip or certificates of debt shall be applied to the payment of the interest on said loan as it accrues.

† See Acts of 1901, Chap. 456, Section 2.

METROPOLITAN PARKS LOANS.

Sinking Funds.

| DUE DATE. | Bonds issued. | Sinking Fund Jan. 1, 1905. | Amount of 1905 Sinking Fund including 3 Per Cent. Accumulations at Maturity. | Balance to be sunk. | Sinking Fund Requirements 1905. |
|-----------------|---------------|----------------------------|--|---------------------|---------------------------------|
| 1934, | \$1,300,000 | \$187,568 92 | \$444,827 18 | \$855,172 82 | \$18,845 68 |
| 1936, | 2,000,000 | 263,199 30 | 662,490 02 | 1,337,509 98 | 26,647 65 |
| 1937, | 1,400,000 | 176,144 55 | 456,768 25 | 943,231 75 | 17,894 92 |
| 1938, | 1,000,000 | 120,368 84 | 321,568 02 | 678,431 98 | 12,267 63 |
| 1939, | 505,000 | 56,559 04 | 155,665 69 | 349,334 31 | 6,025 70 |
| 1941, | 450,000* | 30,180 93 | 88,163 26 | 361,836 74 | 5,692 67 |
| 1943, | 125,000 | 5,273 39 | 16,349 67 | 108,650 33 | 1,563 49 |
| 1943, | 324,000† | 7,028 83 | 21,792 26 | 302,207 74 | 4,348 79 |
| 1944, | 300,000 | 6,233 90 | 19,911 83 | 280,088 17 | 3,858 35 |
| 1945, | 370,000 | - | - | 370,000 00 | 4,882 11 |
| NANTASKET. | | | | | |
| 1939, | 600,000 | 69,136 77 | 190,282 98 | 409,717 02 | 7,067 24 |
| 1941, | 100,000 | 6,766 62 | 19,591 10 | 80,408 90 | 1,265 05 |
| | \$8,474,000 | \$928,401 09 | \$2,397,410 26 | \$6,076,589 74 | \$110,359 28 |

* Whole loan, \$650,000; \$200,000 of this loan is to be assessed differently.

† Whole loan, \$340,000; \$16,000 of this loan is to be assessed differently.

METROPOLITAN PARKS LOANS.

Interest Account.

| | |
|--|--------------|
| 1 year's interest on \$7,404,000,* | \$254,065 00 |
| 8 months' and 16 days' interest at 3½ per cent. on \$370,000, issued Mar. 24, 1905, | 9,208 88 |
| | <hr/> |
| | \$263,273 88 |
| Premium on \$370,000, to be deducted, | 23,947 50 |
| | <hr/> |
| | \$239,326 38 |
| Extra interest on advances, | 4,418 61 |
| | <hr/> |
| <i>Nantasket.</i> | |
| 1 year's interest on \$700,000, | 21,000 00 |
| Extra interest on advances, | 498 21 |
| | <hr/> |
| Total interest, | \$265,243 20 |

Securities in Metropolitan Parks Loan Sinking Fund, June 1, 1905.

| | | | |
|--------------------------------------|------------|--------------------|--------------|
| Agawam, | \$2,000 00 | Newburyport, | \$2,000 00 |
| Avon, | 10,500 00 | North Brookfield, | 14,000 00 |
| Barnstable, | 22,500 00 | Peabody, | 6,000 00 |
| Barre, Vt., | 2,000 00 | Providence, R. I., | 10,000 00 |
| Blackstone, | 15,000 00 | Quincy, | 52,250 00 |
| Boston, | 207,000 00 | Randolph, | 7,250 00 |
| Bourne, | 13,000 00 | Reading, | 14,000 00 |
| Braintree, | 6,000 00 | Russell, | 4,000 00 |
| Brockton, | 2,000 00 | Rutland, | 12,000 00 |
| Buckland, | 15,000 00 | Saugus, | 36,400 00 |
| Cambridge, | 27,000 00 | Somerville, | 3,000 00 |
| Canton, | 2,000 00 | St. Albans, Vt., | 7,000 00 |
| Central Falls, R. I., | 6,000 00 | Stoneham, | 19,000 00 |
| Charlton, | 2,600 00 | Swampscott, | 9,670 00 |
| Danvers, | 10,000 00 | Swansea, | 1,000 00 |
| Dedham, | 2,000 00 | Wakefield, | 24,000 00 |
| Easthampton, | 5,000 00 | Warren, | 555 93 |
| Enfield, | 2,000 00 | Wayland, | 16,000 00 |
| Everett, | 11,000 00 | Webster, | 15,000 00 |
| Foxborough, | 2,000 00 | Wendell, | 2,000 00 |
| Framingham, | 3,114 61 | West Brookfield, | 1,480 00 |
| Grafton, | 2,000 00 | Westfield, | 1,000 00 |
| Great Barrington, | 5,000 00 | Weymouth, | 17,500 00 |
| Hanover, | 12,000 00 | Williamstown, | 18,000 00 |
| Leicester, | 6,300 00 | Winchendon, | 15,000 00 |
| Leominster, | 26,000 00 | Winthrop, | 44,000 00 |
| Massachusetts (State House loan), | 150,000 00 | Wrentham, | 7,000 00 |
| Medford, | 6,500 00 | Yarmouth, | 2,500 00 |
| Millers Falls W. S. D., | 5,000 00 | | |
| Millis, | 5,250 00 | | |
| | | Total, | \$947,370 54 |

* Interest on \$200,000, due Jan., 1941, and interest on \$16,000, due July, 1943, not reckoned, as this is to be assessed differently.

CHARLES RIVER BASIN.

Chapter 465 of the Acts of 1903 authorized the building of a dam across Charles River at Craigie Bridge by a special commission, the subsequent care by the Metropolitan Park Commission of the dam and basin so created, and the payment therefor by a special loan, to be known as the Charles River Basin Loan, by the Commonwealth, and apportioned, assessed and repaid in the manner provided for the Park Loan.

Bonds issued by the Commonwealth of Massachusetts for Account of Charles River Basin.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price Received. | Due Date. |
|--------------------|-----------|----------------------------------|--------------------|---------------|
| Jan. 15, 1904, . . | \$250,000 | 3½ | 104.600 | Jan. 1, 1944. |
| Mar. 24, 1905, . . | 80,000 | 3½ | 106.175 | Jan. 1, 1945. |
| Mar. 24, 1905, . . | 320,000 | 3½ | 105.553 | Jan. 1, 1945. |
| | \$650,000 | | | |

No apportionment made as yet.

Securities in Charles River Basin Loan Sinking Fund.

| | | | |
|---------------------|------------|----------------------|-------------|
| Attleborough, . . . | \$9,000 00 | Milton, . . . | \$2,000 00 |
| Bridgeport, . . . | 12,000 00 | Rockland, . . . | 1,000 00 |
| Brockton, . . . | 1,000 00 | West Brookfield, . . | 740 00 |
| Erving, . . . | 4,000 00 | | |
| Hull, . . . | 5,400 00 | Total, . . . | \$35,140 00 |

METROPOLITAN PARKS LOANS, SERIES TWO (ONE-HALF).*

Bonds issued.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price. | Due Date. |
|--------------------------|-------------|-------------------------------|----------|---------------|
| May 11, 1894, | \$250,000 | 3½ | 109. | Jan. 1, 1934. |
| Nov. 23, 1896, | 250,000 | 3½ | 105.829 | Jan. 1, 1936. |
| June 10, 1897, | 50,000 | 3½ | 106.845 | Jan. 1, 1936. |
| June 14, 1897, | 500,000 | 3½ | 106.938 | Jan. 1, 1937. |
| Aug. 22, 1898, | 50,000 | 3½ | 110.459 | July 1, 1938. |
| June 15, 1899, | 250,000 | 3 | 100.64 | July 1, 1939. |
| Aug. 29, 1900, | 162,500 | 3 | 101.29 | July 1, 1940. |
| June 2, 1902, | 225,000 | 3½ | 108.29 | Jan. 1, 1940. |
| May 21, 1903, | 55,000 | 3½ | 106.2424 | Jan. 1, 1943. |
| July 3, 1903, | 150,000 | 3½ | 104.419 | July 1, 1943. |
| Jan. 15, 1904, | 150,000 | 3½ | 104.60 | Jan. 1, 1944. |
| Mar. 24, 1905, | 100,000 | 3½ | 106.375 | Jan. 1, 1945. |
| Mar. 24, 1905, | 50,000 | 3½ | 106.175 | Jan. 1, 1945. |
| | \$2,242,500 | | | |
| Total Loan, | \$4,485,000 | | | |

METROPOLITAN PARKS LOANS, SERIES TWO (ONE-HALF).*

Sinking Funds.

| DUE DATE. | Bonds issued. | Sinking Fund, Jan. 1, 1905. | Amount of 1905 Sinking Fund including Accumulations at Maturity. | Balance to be sunk. | Sinking Fund Requirements in 1905. |
|----------------------|---------------|-----------------------------|--|---------------------|------------------------------------|
| Jan. 1934, | \$250,000 | \$38,764 53 | \$91,931 63 | \$158,068 37 | \$3,483 40 |
| Jan. 1936, | 300,000 | 42,428 75 | 106,795 96 | 193,204 04 | 3,849 27 |
| Jan. 1937, | 500,000 | 67,606 86 | 175,314 34 | 324,685 66 | 6,159 91 |
| Jan. 1938, | 50,000 | 6,467 88 | 17,279 08 | 32,720 92 | 591 68 |
| Jan. 1939, | 250,000 | 30,958 32 | 85,205 62 | 164,794 38 | 2,842 55 |
| July 1940, | 162,500 | 15,855 16 | 44,956 61 | 117,543 39 | 1,935 63 |
| Jan. 1940, | 225,000 | 11,628 62 | 32,972 44 | 192,027 56 | 3,162 18 |
| Jan. 1943, | 55,000 | 2,493 55 | 7,731 02 | 47,268 98 | 680 21 |
| July 1943, | 150,000 | 3,497 11 | 10,842 47 | 139,157 53 | 2,002 49 |
| Jan. 1944, | 150,000 | 3,349 73 | 10,699 44 | 139,300 56 | 1,918 93 |
| Jan. 1945, | 150,000 | - | - | 150,000 00 | 1,979 23 |
| Total, | \$2,242,500 | \$223,050 51 | \$583,728 61 | \$1,658,771 39 | \$28,605 48 |

* Commonwealth pays one-half.

INTEREST ACCOUNT.

*Metropolitan Parks, Series Two (one-half).**

| | |
|--|-------------|
| 1 year's interest on \$2,092,500, | \$71,175 00 |
| 8 months' and 16 days' interest at $3\frac{1}{2}$ per cent. on \$150,000, issued Mar. 24, 1905, | 3,733 33 |
| | <hr/> |
| | \$74,908 33 |
| $\frac{1}{2}$ of premium on \$150,000 deducted, | 9,462 50 |
| | <hr/> |
| | \$65,445 83 |
| Extra interest on advances, | 1,652 30 |
| | <hr/> |
| Total interest, | \$67,098 13 |

*Total Securities in Metropolitan Parks Loan Sinking Fund, Series Two,
June 1, 1905.*

| | | | |
|---------------------------------|------------|-------------------------------|--------------|
| Athol, | \$1,000 00 | Lowell, | \$7,500 00 |
| Bristol County, | 20,000 00 | New Britain, Conn., | 30,000 00 |
| Brockton, | 5,000 00 | North Brookfield, | 5,000 00 |
| Central Falls, R. I., | 20,000 00 | Quincy, | 12,000 00 |
| Charlton, | 3,000 00 | Reading, | 2,000 00 |
| Chelsea, | 13,000 00 | Somerville, | 11,000 00 |
| Conway, | 15,000 00 | Stoneham, | 4,000 00 |
| Falmouth, | 15,000 00 | Stoughton, | 5,000 00 |
| Gardner, | 4,000 00 | | |
| Gloucester, | 259,000 00 | Total, | \$451,500 00 |
| Hudson, | 20,000 00 | | |

* Commonwealth pays one-half.

Metropolitan Parks Sinking Fund Requirements.

| | Proportion Parks Sinking Fund. | Proportion Boulevard Sink- ing Fund. | Proportion Nantasket Sink- ing Fund. | Total Sinking Fund. |
|-------------------|--------------------------------------|--|--|------------------------|
| Boston, . . . | \$51,013 50 | \$14,302 74 | \$1,166 15 | \$69,482 39 |
| Cambridge, . . | 5,610 46 | 1,573 02 | 449 03 | 7,632 51 |
| Chelsea, . . . | 1,485 51 | 416 50 | 118 89 | 2,020 90 |
| Everett, . . . | 1,234 53 | 346 13 | 98 80 | 1,679 46 |
| Lynn, | 2,916 95 | 817 83 | 233 46 | 3,968 24 |
| Malden, . . . | 2,531 29 | 709 70 | 202 55 | 3,443 54 |
| Medford, . . . | 2,492 52 | 698 83 | 199 45 | 3,390 80 |
| Melrose, . . . | 839 68 | 235 42 | 67 20 | 1,142 30 |
| Newton, | 5,258 47 | 1,474 33 | 420 90 | 7,153 70 |
| Quincy, | 1,339 61 | 375 59 | 107 26 | 1,822 46 |
| Somerville, . . | 3,542 38 | 993 18 | 283 55 | 4,819 11 |
| Waltham, . . . | 1,361 04 | 381 60 | 108 93 | 1,851 57 |
| Woburn, | 742 76 | 208 25 | 59 45 | 1,010 46 |
| Arlington, . . . | 820 30 | 229 99 | 65 61 | 1,115 90 |
| Belmont, . . . | 439 74 | 123 29 | 35 19 | 598 22 |
| Braintree, . . . | 347 91 | 97 54 | 27 89 | 473 34 |
| Brookline, . . . | 6,151 21 | 1,724 62 | 492 27 | 8,368 10 |
| Canton, | 425 45 | 119 28 | 34 05 | 578 78 |
| Cohasset, . . . | — | — | 83 32 | 83 32 |
| Dedham, | 794 79 | 222 84 | 63 65 | 1,081 28 |
| Dover, | 101 01 | 28 32 | 8 12 | 137 45 |
| Hingham, . . . | 333 63 | 93 54 | 26 70 | 453 87 |
| Hull, | 426 47 | 119 57 | 34 17 | 580 21 |
| Hyde Park, . . . | 776 43 | 217 69 | 62 14 | 1,056 26 |
| Milton, | 3,104 68 | 870 46 | 248 48 | 4,223 62 |
| Nahant, | 742 76 | 208 25 | 59 45 | 1,010 46 |
| Needham, . . . | 235 68 | 66 08 | 18 82 | 320 58 |
| Revere, | 1,403 89 | 393 61 | 112 36 | 1,909 86 |
| Saugus, | 238 74 | 66 94 | 19 11 | 324 79 |
| Stoneham, . . . | 353 01 | 98 97 | 28 21 | 480 19 |
| Swampscott, . . | 428 51 | 120 14 | 34 34 | 582 99 |
| Wakefield, . . . | 395 86 | 110 99 | 31 68 | 538 53 |
| Watertown, . . . | 938 65 | 263 17 | 75 12 | 1,276 94 |
| Wellesley, . . . | 576 45 | 161 62 | 46 18 | 784 25 |
| Weston, | 492 79 | 138 17 | 39 40 | 670 36 |
| Westwood, . . . | 99 99 | 28 03 | 7 96 | 135 98 |
| Weymouth, . . . | 500 95 | 140 45 | 40 05 | 681 45 |
| Winchester, . . . | 1,039 66 | 291 49 | 83 25 | 1,414 40 |
| Winthrop, . . . | 489 73 | 137 31 | 39 15 | 666 19 |
| | \$102,026 99 | \$28,605 48 | \$8,332 29 | \$138,964 76 |

Metropolitan Parks Interest Requirements.

| | Proportion Parks Interest. | Proportion Boulevard In- terest. | Proportion Nantasket In- terest. | Total Interest. |
|-------------------|----------------------------------|--|--|-----------------|
| Boston, . . . | \$121,872 49 | \$33,549 06 | \$10,749 11 | \$166,170 66 |
| Cambridge, . . . | 13,403 54 | 3,689 73 | 1,158 54 | 18,251 81 |
| Chelsea, . . . | 3,548 93 | 976 95 | 306 75 | 4,832 63 |
| Everett, . . . | 2,949 31 | 811 89 | 254 93 | 4,016 13 |
| Lynn, . . . | 6,968 67 | 1,918 34 | 602 34 | 9,489 35 |
| Malden, . . . | 6,047 31 | 1,664 70 | 522 60 | 8,234 61 |
| Medford, . . . | 5,954 69 | 1,639 21 | 514 59 | 8,108 49 |
| Melrose, . . . | 2,006 02 | 552 22 | 173 39 | 2,731 63 |
| Newton, . . . | 12,562 62 | 3,458 24 | 1,085 96 | 17,106 82 |
| Quincy, . . . | 3,200 37 | 881 00 | 276 73 | 4,358 10 |
| Somerville, . . . | 8,462 83 | 2,329 65 | 731 60 | 11,524 08 |
| Waltham, . . . | 3,251 56 | 895 09 | 281 05 | 4,427 70 |
| Woburn, . . . | 1,774 46 | 488 47 | 153 38 | 2,416 31 |
| Arlington, . . . | 1,959 71 | 539 47 | 169 28 | 2,668 46 |
| Belmont, . . . | 1,050 54 | 289 19 | 90 80 | 1,430 53 |
| Braintree, . . . | 831 17 | 228 80 | 71 95 | 1,131 92 |
| Brookline, . . . | 14,695 39 | 4,045 35 | 1,270 10 | 20,010 84 |
| Canton, . . . | 1,016 42 | 279 80 | 87 86 | 1,384 08 |
| Cohasset, . . . | - | - | 214 98 | 214 98 |
| Dedham, . . . | 1,898 77 | 522 69 | 164 23 | 2,585 69 |
| Dover, . . . | 241 31 | 66 43 | 20 96 | 328 70 |
| Hingham, . . . | 797 05 | 219 41 | 68 89 | 1,085 35 |
| Hull, . . . | 1,018 85 | 280 47 | 88 17 | 1,387 49 |
| Hyde Park, . . . | 1,854 90 | 510 62 | 160 33 | 2,525 85 |
| Milton, . . . | 7,417 16 | 2,041 80 | 641 11 | 10,100 07 |
| Nahant, . . . | 1,774 46 | 488 47 | 153 38 | 2,416 31 |
| Needham, . . . | 563 05 | 155 00 | 48 56 | 766 61 |
| Revere, . . . | 3,353 93 | 923 27 | 289 90 | 4,567 10 |
| Saugus, . . . | 570 36 | 157 01 | 49 30 | 776 67 |
| Stoneham, . . . | 843 36 | 232 16 | 72 79 | 1,148 31 |
| Swampscott, . . . | 1,023 73 | 281 81 | 88 59 | 1,394 13 |
| Wakefield, . . . | 945 73 | 260 34 | 81 75 | 1,287 82 |
| Watertown, . . . | 2,242 45 | 617 30 | 193 83 | 3,053 58 |
| Wellesley, . . . | 1,377 16 | 379 10 | 119 14 | 1,875 40 |
| Weston, . . . | 1,177 29 | 324 08 | 101 65 | 1,603 02 |
| Westwood, . . . | 238 87 | 65 76 | 20 54 | 325 17 |
| Weymouth, . . . | 1,196 79 | 329 45 | 103 34 | 1,629 58 |
| Winchester, . . . | 2,483 76 | 683 73 | 214 79 | 3,382 28 |
| Winthrop, . . . | 1,169 98 | 322 07 | 101 02 | 1,593 07 |
| | \$243,744 99 | \$67,098 13 | \$21,498 21 | \$332,341 33* |

* \$6,569.12 interest on advances included.

Metropolitan Parks Maintenance Requirements.

| | Proportion Park Maintenance. | Proportion Boulevard Main- tenance. | Proportion Nantasket Main- tenance. | Total Maintenance. |
|-------------------|------------------------------------|---|---|-----------------------|
| Boston, . . . | \$93,185 25 | \$22,401 48 | \$9,039 96 | \$124,626 69 |
| Cambridge, . . . | 10,248 51 | 2,463 71 | 974 33 | 13,686 55 |
| Chelsea, . . . | 2,713 55 | 652 33 | 257 98 | 3,623 86 |
| Everett, . . . | 2,255 08 | 542 12 | 214 39 | 3,011 59 |
| Lynn, . . . | 5,328 33 | 1,280 92 | 506 57 | 7,115 82 |
| Malden, . . . | 4,623 85 | 1,111 56 | 439 50 | 6,174 91 |
| Medford, . . . | 4,553 03 | 1,094 54 | 432 77 | 6,080 34 |
| Melrose, . . . | 1,533 83 | 368 73 | 145 82 | 2,048 38 |
| Newton, . . . | 9,605 53 | 2,309 14 | 913 29 | 12,827 96 |
| Quincy, . . . | 2,447 04 | 588 26 | 232 73 | 3,263 03 |
| Somerville, . . . | 6,470 78 | 1,555 56 | 615 27 | 8,641 61 |
| Waltham, . . . | 2,486 18 | 597 67 | 236 36 | 3,320 21 |
| Woburn, . . . | 1,356 78 | 326 17 | 128 99 | 1,811 94 |
| Arlington, . . . | 1,498 42 | 360 22 | 142 37 | 2,001 01 |
| Belmont, . . . | 803 26 | 193 10 | 76 37 | 1,072 73 |
| Braintree, . . . | 635 52 | 152 78 | 60 51 | 848 81 |
| Brookline, . . . | 11,236 28 | 2,701 17 | 1,068 15 | 15,005 60 |
| Canton, . . . | 777 16 | 186 83 | 73 88 | 1,037 87 |
| Cohasset, . . . | — | — | 180 80 | 180 80 |
| Dedham, . . . | 1,451 83 | 349 01 | 138 11 | 1,938 95 |
| Dover, . . . | 184 51 | 44 35 | 17 63 | 246 49 |
| Hingham, . . . | 609 43 | 146 51 | 57 94 | 813 88 |
| Hull, . . . | 779 03 | 187 28 | 74 15 | 1,040 46 |
| Hyde Park, . . . | 1,418 28 | 340 95 | 134 84 | 1,894 07 |
| Milton, . . . | 5,671 25 | 1,363 35 | 539 17 | 7,573 77 |
| Nahant, . . . | 1,356 78 | 326 17 | 128 99 | 1,811 94 |
| Needham, . . . | 430 52 | 103 49 | 40 84 | 574 85 |
| Revere, . . . | 2,564 46 | 616 49 | 243 80 | 3,424 75 |
| Saugus, . . . | 436 11 | 104 84 | 41 46 | 582 41 |
| Stoneham, . . . | 644 84 | 155 02 | 61 22 | 861 08 |
| Swampscott, . . . | 782 76 | 188 17 | 74 50 | 1,045 43 |
| Wakefield, . . . | 723 12 | 173 83 | 68 75 | 965 70 |
| Watertown, . . . | 1,714 61 | 412 19 | 163 01 | 2,289 81 |
| Wellesley, . . . | 1,052 99 | 253 14 | 100 20 | 1,406 33 |
| Weston, . . . | 900 17 | 216 40 | 85 49 | 1,202 06 |
| Westwood, . . . | 182 64 | 43 91 | 17 27 | 243 82 |
| Weymouth, . . . | 915 08 | 219 98 | 86 91 | 1,221 97 |
| Winchester, . . . | 1,899 12 | 456 54 | 180 64 | 2,536 30 |
| Winthrop, . . . | 894 58 | 215 05 | 84 96 | 1,194 59 |
| | \$186,370 49 | \$44,802 96 | \$18,079 92 | \$249,253 37* |

* \$1,525.87 balance of interest on advances included. Park Assessments of 1904 and 1905 compared on page 26.

METROPOLITAN SEWERAGE WORKS.

The Board of Metropolitan Sewerage Commissioners was established by chapter 439 of the Acts of the year 1889, and the Board was authorized to construct and maintain a system of sewage disposal for cities and towns and portions thereof situated principally north of the Charles River, and also a system for cities and towns and portions thereof situated principally south of the Charles River. The former system and the various extensions now constitute the North Metropolitan System, and the latter with its extensions now constitutes the South Metropolitan System. The construction of the Neponset River valley system was authorized by chapter 406 of the Acts of the year 1895 and of the High-level Sewer by chapter 424 of the Acts of the year 1899, these systems being now embraced in the South Metropolitan System.

The North Metropolitan System comprises the cities of Cambridge, Chelsea, Everett, Malden, Medford, Melrose, Somerville and Woburn, and the towns of Arlington, Belmont, Revere, Stoneham, Wakefield, Winchester and Winthrop and also portions of the city of Boston and the town of Lexington. The population of the District is estimated at 494,500. The system embraces 58.004 miles of main sewers. Its sewage is discharged at an outlet in the harbor off Deer Island.

The South Metropolitan System comprises the cities of Newton, Quincy and Waltham and the towns of Brookline, Hyde Park, Milton and Watertown and portions of the city of Boston and the town of Dedham. The population of the District is estimated at 318,300. The system embraces 37.548 miles of main sewers. The High-level Sewer which has been recently completed discharges the sewage of the South Metropolitan System at two outlets in the harbor, each about a mile from Nut Island in Quincy.

The cost of the North Metropolitan System amounted on June 1, 1905, to \$6,088,113.99, and the expenditures made on the South Metropolitan System up to that date amounted to \$7,606,294.85, a total of \$13,694,408.84.

An apportionment of expenditures for the sewerage systems among the various cities and towns of the districts is made every five years by a commission appointed by the Supreme Judicial Court. These commissions have in all cases apportioned the cost of construction among the municipalities according to their respective valuations, and the cost of maintenance and operation according to their respective populations. The necessary charges for sinking fund, interest and maintenance are assessed each year upon the several cities and towns. The amount annually required for the sinking fund is supposed to be sufficient to extinguish the debt incurred at the expiration of forty years from the date of its contraction.

HENRY H. SPRAGUE, *Chairman.*

METROPOLITAN SEWER LOANS, NORTH SYSTEM.

Bonds issued.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price. | Maturity. |
|-------------------------|-------------|-------------------------------|---------|---------------|
| Apr. 2, 1890, | \$500,000 | 3 | 102.40 | Jan. 1, 1930. |
| Apr. 2, 1890, | 500,000 | 3 | 103.02 | Jan. 1, 1930. |
| Apr. 2, 1890, | 500,000 | 3 | 103.62 | Jan. 1, 1930. |
| Apr. 2, 1890, | 500,000 | 3 | 102.327 | Jan. 1, 1930. |
| Apr. 1890, | 200,000 | 3 | 103. | Jan. 1, 1930. |
| Feb. 1891, | 50,000 | 3 | 104. | Jan. 1, 1930. |
| Mar. 1891, | 300,000 | 3 | 104. | Jan. 1, 1930. |
| Mar. 1891, | 18,000 | 3 | 104. | Jan. 1, 1930. |
| Jan. 1892, | 35,000 | 3 | 100. | Jan. 1, 1930. |
| Feb. 1892, | 29,000 | 3 | 100. | Jan. 1, 1930. |
| Mar. 1892, | 50,000 | 3 | 101. | Jan. 1, 1930. |
| June 1892, | 436,000 | 3 | 101.50 | Jan. 1, 1930. |
| July 1892, | 150,000 | 3 | 101.50 | Jan. 1, 1930. |
| Aug. 1892, | 150,000 | 3 | 101.50 | Jan. 1, 1930. |
| Nov. 1892, | 3,000 | 3 | 100.50 | Jan. 1, 1930. |
| Nov. 1892, | 200,000 | 3 | 100. | Jan. 1, 1930. |
| Jan. 1893, | 35,000 | 3 | 100.50 | Jan. 1, 1930. |
| Jan. 1893, | 25,000 | 3 | 100.50 | Jan. 1, 1930. |
| Feb. 1893, | 20,000 | 3 | 101. | Jan. 1, 1930. |
| Feb. 1893, | 5,000 | 3 | 100.50 | Jan. 1, 1930. |
| Feb. 1893, | 400,000 | 3 | 100.25 | Jan. 1, 1930. |
| Mar. 1893, | 94,000 | 3 | 100.25 | Jan. 1, 1930. |
| May 1 1894, | 464,000 | 3 | 100. | Jan. 1, 1930. |
| Oct. 1894, | 4,000 | 3 | 100. | Jan. 1, 1930. |
| Oct. 1894, | 1,000 | 3 | 100. | Jan. 1, 1930. |
| Nov. 1894, | 15,000 | 3 | 100. | Jan. 1, 1930. |
| Nov. 1894, | 10,000 | 3 | 100. | Jan. 1, 1930. |
| Dec. 1894, | 6,000 | 3 | 100. | Jan. 1, 1930. |
| Apr. 1895, | 300,000 | 3 | 100. | Jan. 1, 1930. |
| Dec. 1896, | 30,000 | 3 | 100. | Jan. 1, 1930. |
| June 1897, | 70,000 | 3½ | 106.243 | Jan. 1, 1930. |
| June 1897, | 10,000 | 3½ | 106.243 | Jan. 1, 1930. |
| Apr. 1898, | 5,000 | 3 | 100. | Jan. 1, 1930. |
| June 1898, | 155,000 | 3½ | 100. | Jan. 1, 1930. |
| June 1898, | 60,000 | 3½ | 100. | Jan. 1, 1930. |
| Apr. 1900, | 265,000 | 3 | 103.948 | Jan. 1, 1930. |
| May 1903, | 200,000 | 3½ | 104.979 | Jan. 1, 1930. |
| May 1903, | 50,000 | 3½ | 106.242 | Jan. 1, 1943. |
| July 1903, | 250,000 | 3½ | 104.419 | July 1, 1943. |
| | \$6,095,000 | | | |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

Amount Sunk and to be Sunk.

| DUE DATE. | Amount. | 1890 to 1905, Amount sunk. | 1905 to 1943, Amount to be sunk. |
|------------------|-------------|----------------------------------|--|
| 1930, | \$5,330,000 | 1⅘ + 1½ | 1½ + 1⅘ + ⅜ |
| 1930,* | \$265,000 | 35¼ | 35¼ + 1⅘ + ⅜ |
| 1930,† | 200,000 | 14¼ | 35¼ + 1⅘ + 11¼ |
| 1943, | 300,000 | ⅜ | ⅜ + 1⅘ + 1⅘ + ⅜ |
| | \$765,000 | | |

* Acts 1900, chap. 172.

† Acts 1903, chap. 242.

Table showing the Proportions in Percentages in which the several Cities and Towns in the North Metropolitan Sewer System shall pay Money into the Treasury of the Commonwealth to meet the cost of Maintenance and Operation, Interest and Sinking Fund Requirements.

| CITY OR TOWN. | Proportion for Maintenance and Operation (Per Cent.). | Proportion for Interest and Sinking Funds (Per Cent.). | CITY OR TOWN. | Proportion for Maintenance and Operation (Per Cent.). | Proportion for Interest and Sinking Funds (Per Cent.). |
|---------------|---|--|---------------|---|--|
| Arlington, . | 2.06 | 2.39 | Melrose, . | 3.10 | 3.41 |
| Belmont, . | .94 | 1.50 | Somerville, . | 14.74 | 13.87 |
| Boston,* . | 20.66 | 16.89 | Stoneham, . | 1.48 | 1.35 |
| Cambridge, . | 21.96 | 25.75 | Wakefield, . | 1.78 | 2.35 |
| Chelsea, . | 8.14 | 6.20 | Winchester, . | 1.73 | 2.41 |
| Everett, . | 5.82 | 4.81 | Winthrop, . | 1.45 | 1.81 |
| Lexington,† . | .32 | .90 | Woburn, . | 3.41 | 2.80 |
| Malden, . | 8.05 | 8.16 | | | |
| Medford, . | 4.36 | 5.40 | Total, . | 100.00 | 100.00 |

* East Boston and Charlestown districts.

† Villages of Centre and East Lexington.

Metropolitan Sewerage Loan, North System.

| DUE DATE. | Whole Loans and Portion of Each sunk. | Sinking Fund Jan. 1, 1905. | 1905 Sinking Fund at Maturity of Loan. | Balance of Whole Loan to be sunk. | Proportion of Balance to be provided for this Year. | Sinking Fund Requirements in 1905. |
|-----------|---------------------------------------|----------------------------|--|-----------------------------------|---|------------------------------------|
| 1930, . . | \$5,330,000 | \$610,531 98 | \$1,285,317 80 | \$5,155,102 | \$85,918 ($\frac{1}{60}$) | \$42,044 97 |
| Sunk, . . | (1,110,419) | | | | | |
| 1930, . . | 465,000 | 27,663 70 | 58,238 79 | 457,076 | 13,331 ($\frac{7}{240}$) | 6,523 69 |
| Sunk, . . | (50,314) | | | | | |
| 1943, . . | 300,000 | 2,800 04 | 8,681 27 | 298,818 | 3,735 ($\frac{1}{80}$) | 1,241 16 |
| Sunk, . . | (7,500) | | | | | |
| | \$6,095,000 (1,168,233) | \$640,995 72 | \$1,352,237 86 | \$5,910,996 | \$102,984 | \$49,809 82 |

INTEREST ACCOUNT.

Metropolitan Sewer Loan, North System.

| | |
|---|--------------|
| 1 year's interest on \$6,095,000, | \$186,825 00 |
| Extra interest on advances, | 1,050 51 |
| Total interest, | \$187,875 51 |

METROPOLITAN SEWERAGE, NORTH SYSTEM.

Requirement for 1905.

| CITY OR TOWN. | Sinking Fund Requirement. | Cost of Maintenance.* | Interest Requirement.† | Total Assessment. |
|-------------------|---------------------------|-----------------------|------------------------|-------------------|
| Arlington, . . . | \$1,190 45 | \$2,639 44 | \$4,490 23 | \$8,320 12 |
| Belmont, . . . | 747 15 | 1,204 41 | 2,818 13 | 4,769 69 |
| Boston, . . . | 8,412 88 | 26,471 35 | 31,732 17 | 66,616 40 |
| Cambridge, . . . | 12,826 03 | 28,137 02 | 48,377 95 | 89,341 00 |
| Chelsea, . . . | 3,088 21 | 10,429 66 | 11,648 28 | 25,166 15 |
| Everett, . . . | 2,395 85 | 7,457 08 | 9,036 81 | 18,889 74 |
| Lexington, . . . | 448 29 | 410 01 | 1,690 88 | 2,549 18 |
| Malden, . . . | 4,064 48 | 10,314 34 | 15,330 64 | 29,709 46 |
| Medford, . . . | 2,689 73 | 5,586 40 | 10,145 28 | 18,421 41 |
| Melrose, . . . | 1,698 51 | 3,971 98 | 6,406 55 | 12,077 04 |
| Somerville, . . . | 6,908 62 | 18,886 14 | 26,058 34 | 51,853 10 |
| Stoneham, . . . | 672 43 | 1,896 30 | 2,536 32 | 5,105 05 |
| Waketield, . . . | 1,170 53 | 2,280 69 | 4,415 08 | 7,866 30 |
| Winchester, . . . | 1,200 42 | 2,216 62 | 4,527 80 | 7,944 84 |
| Winthrop, . . . | 901 56 | 1,857 86 | 3,400 54 | 6,159 96 |
| Woburn, . . . | 1,394 68 | 4,369 18 | 5,260 51 | 11,024 37 |
| <hr/> | | | | |
| Revere,‡ . . . | \$49,809 82 | \$128,128 48 | \$187,875 51 | \$365,813 81 |
| | 1,997 37 | 3,162 30 | 7,533 81 | 12,693 48 |
| <hr/> | | | | |
| | \$51,807 19 | \$131,290 78 | \$195,409 32 | \$378,507 29 |

* Includes \$1,128.48 Interest on Maintenance. † Includes \$1,050.51 Interest on advances.

‡ Not entered before apportionment, Acts 1903, chap. 242.

*Securities in Metropolitan Sewer Loan Sinking Fund, North System,
June 1, 1905.*

| | | | |
|--|------------|---------------------------|--------------|
| Acushnet, . . . | \$2,000 00 | Needham, . . . | \$10,000 00 |
| Barnstable, . . . | 7,500 00 | New Britain, Conn., . . . | 9,000 00 |
| Braintree, . . . | 21,100 00 | North Adams, . . . | 7,700 00 |
| Brockton, . . . | 39,400 00 | Northampton, . . . | 14,000 00 |
| Easthampton, . . . | 6,500 00 | North Brookfield, . . . | 10,000 00 |
| Essex, . . . | 6,000 00 | Norwalk, Conn., . . . | 12,000 00 |
| Everett, . . . | 6,000 00 | Norwood, . . . | 13,000 00 |
| Foxborough, . . . | 5,000 00 | Quincy, . . . | 12,000 00 |
| Framingham, . . . | 17,368 00 | Revere, . . . | 23,000 00 |
| Gardner, . . . | 2,000 00 | Rockland, . . . | 5,000 00 |
| Groveland, . . . | 5,000 00 | Sandwich, . . . | 1,000 00 |
| Holyoke, . . . | 20,000 00 | Somersworth, N. H., . . . | 4,000 00 |
| Hudson, . . . | 13,000 00 | Southbridge, . . . | 12,000 00 |
| Hull, . . . | 21,700 00 | Stoneham, . . . | 22,000 00 |
| Huntington, . . . | 22,000 00 | Swampscott, . . . | 5,000 00 |
| Hyde Park, . . . | 8,000 00 | Wakefield, . . . | 106,000 00 |
| Ipswich, . . . | 2,000 00 | Walpole, . . . | 13,900 00 |
| Lenox, . . . | 20,000 00 | Watertown, . . . | 3,000 00 |
| Leominster, . . . | 69,000 00 | Wayland, . . . | 5,000 00 |
| Lynn, . . . | 4,000 00 | Westborough, . . . | 10,000 00 |
| Massachusetts "Fitch- burg R.R.," . . . | 1,000 00 | Westfield, . . . | 10,000 00 |
| Massachusetts "Sewer," . . . | 1,912 00 | West Newbury, . . . | 2,000 00 |
| Meriden, Conn., . . . | 1,000 00 | Winchendon, . . . | 4,000 00 |
| Merrimac, . . . | 26,000 00 | <hr/> | |
| Natick, . . . | 10,000 00 | Total, . . . | \$651,080 00 |

METROPOLITAN SEWER LOANS, SOUTH SYSTEM.

| DATE OF SALE. | Amount. | Rate (Per Cent.). | Price. | Due Date. |
|-----------------------|-------------|-------------------|----------|---------------|
| Apr. 1890, | \$100,000 | 3 | 103. | Jan. 1, 1930. |
| Apr. 1890, | 400,000 | 3 | 103. | Jan. 1, 1930. |
| May 1890, | 300,000 | 3 | 104. | Jan. 1, 1930. |
| Aug. 1895, | 300,000 | 3 | 100.585 | Mar. 1, 1935. |
| Feb. 1896, | 50,000 | 3 | 100. | Mar. 1, 1935. |
| Dec. 1896, | 135,000 | 3 | 100. | Mar. 1, 1935. |
| Dec. 1896, | 15,000 | 3 | 100. | Mar. 1, 1935. |
| June 1897, | 300,000 | 3½ | 106.98 | Mar. 1, 1935. |
| June 1898, | 35,000 | 3½ | 100. | Mar. 1, 1935. |
| June 1899, | 25,000 | 3 | 100.64 | Mar. 1, 1936. |
| June 1899, | 1,000,000 | 3 | 100.64 | July 1, 1939. |
| Sept. 1900, | 10,000 | 3 | 100.79 | July 1, 1939. |
| Sept. 1900, | 912 | 3 | 100. | July 1, 1939. |
| Apr. 1901, | 40,000 | 3 | 100.915 | Mar. 1, 1936. |
| Sept. 1901, | 2,000,000 | 3½ | 106.71 | July 1, 1940. |
| Sept. 1902, | 14,000 | 3 | 100. | July 1, 1939. |
| Sept. 1902, | 500,000 | 3½ | 107.243 | July 1, 1940. |
| Sept. 1902, | 150,000 | 3½ | 107.239 | July 1, 1940. |
| Dec. 1902, | 200,000 | 3½ | 107.79 | July 1, 1940. |
| Feb. 1903, | 100,000 | 3½ | 108.25 | July 1, 1940. |
| Apr. 1903, | 100,000 | 3½ | 106.75 | July 1, 1940. |
| Apr. 1903, | 175,000 | 3½ | 106.75 | July 1, 1940. |
| Apr. 1903, | 203,000 | 3½ | 106.75 | July 1, 1940. |
| Apr. 1903, | 25,000 | 3½ | 106.494 | July 1, 1940. |
| Apr. 1903, | 133,000 | 3½ | 105.936 | July 1, 1940. |
| May 1903, | 996,000 | 3½ | 106.2424 | Jan. 1, 1943. |
| May 1903, | 4,000 | 3½ | 105.5453 | Mar. 1, 1935. |
| July 1904, | 392,000 | 3½ | 104.929 | July 1, 1944. |
| | \$7,702,912 | | | |

SOUTH METROPOLITAN DISTRICT.*

Amounts sunk and to be sunk.

| DUE DATE. | Amount. | Amount sunk. | Amount to be sunk. | This Year. |
|-----------------|-------------|--------------|--------------------------|------------|
| 1930, | \$800,000 | 1½ + 1½ | 1½ + 1½ + ¾ | 1⁄60 |
| 1935, | \$839,000 | 1½ | 1⁄6 + 1½ + ¾ | 1⁄60 |
| 1936, | \$25,000 | 9⁄56 | 1⁄56 + 1⁄6 + 1⁄8 + ¾ | 1⁄56 |
| 1936, | 40,000 | 3⁄32 | 1⁄32 + 1⁄6 + 1⁄8 + ¾ | 1⁄32 |
| | \$65,000 | | | |
| 1939, | \$14,000 | 2⁄48 | 4⁄48 + 1⁄6 + 1⁄8 + ¾ | 1⁄48 |
| 1939, | 10,912 | 4⁄64 | 4⁄64 + 1⁄6 + 1⁄8 + ¾ | 1⁄64 |
| 1939, | 1,000,000 | 5⁄72 | 4⁄72 + 1⁄6 + 1⁄8 + ¾ | 1⁄72 |
| | \$1,024,912 | | | |
| 1940, | \$2,000,000 | 3⁄64 | 5⁄64 + 1⁄6 + 1⁄8 + 1⁄8 | 1⁄64 |
| 1940, | 850,000 | 2⁄56 | { 5⁄56 + 1⁄6 + 1⁄8 + ¾ } | 1⁄56 |
| 1940, | 736,000 | 2⁄56 | | 1⁄56 |
| | \$3,586,000 | | | |
| 1943, | \$996,000 | 2⁄80 | 8⁄80 + 1⁄6 + 1⁄8 + ¾ | 1⁄80 |
| 1944, | 392,000 | — | — — — — | 1⁄72 |

* Acts 1894, Chap. 307, Section 1.

Table showing the Proportions in Percentages in which the Cities and Towns in the South Metropolitan System shall annually pay Money to meet the Cost of Maintenance, Operation, Interest and Sinking Fund Requirements.

| CITY OR TOWN. | Population. 1900. | Proportion for Maintenance and Operation (Per Cent.). | Valuation. | Proportion for Interest and Sinking Funds (Per Cent.). |
|--------------------|----------------------|--|---------------|---|
| Boston, | 119,921 | 46.52 | \$188,227,950 | 39.98 |
| Brookline, | 19,935 | 7.73 | 102,306,308 | 21.73 |
| Dedham, | 7,457 | 2.89 | 10,965,988 | 2.33 |
| Hyde Park, | 13,244 | 5.14 | 12,415,331 | 2.64 |
| Milton, | 6,578 | 2.55 | 25,435,822 | 5.40 |
| Newton, | 33,587 | 13.03 | 71,356,289 | 15.16 |
| Quincy, | 23,899 | 9.27 | 23,894,528 | 5.07 |
| Waltham, | 23,481 | 9.11 | 23,297,415 | 4.95 |
| Watertown, | 9,706 | 3.76 | 12,921,271 | 2.74 |
| | 257,808 | 100.00 | \$470,820,902 | 100.00 |

Metropolitan Sewer Loan, South System.

| DUE DATE. | Whole Loan and Portion of Each sunk. | Sinking Fund Jan. 1, 1905. | 1905 Sink- ing Fund at Maturity of Loan. | Balance of Whole Loan to be sunk. | Proportion of Loan to be provided for this Year. | Requires. |
|---------------|--|----------------------------------|--|--|--|-------------|
| 1930, | \$800,000 | \$88,960 | \$187,283 | \$779,384 | \$12,989 ($\frac{1}{60}$) | \$6,356 32 |
| Sunk, | (166,667) | | | | | |
| 1935, | 839,000 | 48,234 | 117,846 | 826,029 | 13,767 ($\frac{1}{60}$) | 5,805 09 |
| Sunk, | (104,875) | | | | | |
| 1936, | 25,000 | 1,197 | 3,013 | 24,669 | 440 ($\frac{1}{56}$) | 180 10 |
| Sunk, | (2,682) | | | | | |
| 1936, | 40,000 | 1,674 | 4,213 | 39,537 | 1,235 ($\frac{1}{32}$) | 505 49 |
| Sunk, | (3,750) | | | | | |
| 1939, | 14,000 | 238 | 656 | 13,928 | 290 ($\frac{1}{48}$) | 108 56 |
| Sunk, | (584) | | | | | |
| 1939, | 10,912 | 278 | 766 | 10,828 | 169 ($\frac{1}{64}$) | 63 26 |
| Sunk, | (682) | | | | | |
| 1939, | 1,000,000 | 28,353 | 78,035 | 991,411 | 13,769 ($\frac{1}{72}$) | 5,154 00 |
| Sunk, | (69,446) | | | | | |
| 1940, | 2,000,000 | 37,153 | 105,345 | 1,988,405 | 31,068 ($\frac{1}{64}$) | 11,288 15 |
| Sunk, | (93,750) | | | | | |
| 1940, | 850,000 | 12,030 | 34,111 | 846,246 | 15,111 ($\frac{1}{56}$) | 5,490 38 |
| Sunk, | (30,357) | | | | | |
| 1940, | 736,000 | 10,417 | 29,537 | 732,749 | 13,084 ($\frac{1}{56}$) | 4,897 59 |
| Sunk, | (26,286) | | | | | |
| 1943, | 996,000 | 9,024 | 27,979 | 992,921 | 12,411 ($\frac{1}{80}$) | 4,124 18 |
| Sunk, | (24,900) | | | | | |
| 1944, | 392,000 | - | - | 392,000 | 5,444 ($\frac{1}{72}$) | 1,755 90 |
| Sunk, | \$7,702,912 (523,979) | \$237,558 | \$588,784 | \$7,638,107 | \$119,777 | \$45,729 02 |

INTEREST ACCOUNT.

Metropolitan Sewer Loan, South System.

| | |
|--|--------------|
| 1 year's interest on \$7,310,912, | \$243,932 36 |
| 1 year, 4 months' and 19 days' interest at $3\frac{1}{2}$ per cent. on \$392,000, issued July 21, 1904, | 19,017 44 |
| | <hr/> |
| | \$262,949 80 |
| Deduct premium on \$392,000, as required by Acts '94, ch. 307, | 19,321 68 |
| | <hr/> |
| | \$243,628 12 |
| Extra interest on advances, | 4,607 80 |
| | <hr/> |
| Total interest, | \$248,235 92 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Assessments for 1905.

| | Sinking Fund Requirements. | Interest Requirement.* | Maintenance Requirement.† | Total Assessment. |
|------------------|-------------------------------|---------------------------|------------------------------|----------------------|
| Boston, | \$18,282 46 | \$99,244 72 | \$68,664 38 | \$186,191 56 |
| Brookline, . . . | 9,936 91 | 53,941 66 | 11,409 62 | 75,288 19 |
| Dedham, | 1,065 49 | 5,783 90 | 4,265 69 | 11,115 08 |
| Hyde Park, . . . | 1,207 25 | 6,553 43 | 7,586 73 | 15,347 41 |
| Milton, | 2,469 37 | 13,404 74 | 3,763 85 | 19,637 96 |
| Newton, | 6,932 52 | 37,632 57 | 19,232 52 | 63,797 61 |
| Quincy, | 2,318 46 | 12,585 56 | 13,682 69 | 28,586 71 |
| Waltham, | 2,263 59 | 12,287 68 | 13,446 53 | 27,997 80 |
| Watertown, . . . | 1,252 97 | 6,801 66 | 5,549 83 | 13,604 46 |
| | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$45,729 02 | \$248,235 92 | \$147,601 84 | \$441,566 78 |

* Includes \$4,607.80 Interest on Advances.

† Includes \$2,681.84 Interest on Maintenance.

Investment List of Bonds and Notes in Metropolitan Sewer Loan Sinking Fund, South System, to June 1, 1905.

| | | | |
|---------------------|-----------|-----------------------------|--------------|
| Brookline, | \$700 00 | Methuen, | \$25,000 00 |
| Clinton, | 20,000 00 | Quincy, | 500 00 |
| Concord, | 25,000 00 | Somersworth, N. H., | 20,000 00 |
| Dalton, | 2,000 00 | Taunton, | 94,000 00 |
| Gardner, | 4,000 00 | West Brookfield, | 740 00 |
| Haverhill, | 2,000 00 | | |
| Hudson, | 6,000 00 | Total, | <hr/> |
| Leominster, | 40,000 00 | | \$239,940 00 |

Comparisons of Assessments, 1904 and 1905.

| | PARKS. | | SEWER. | |
|-----------------|--------------|--------------|--------------|--------------|
| | 1904. | 1905. | 1904. | 1905. |
| Boston, . . . | \$346,581 67 | \$360,279 74 | \$218,933 59 | \$254,745 53 |
| Cambridge, . . | 38,064 53 | 39,570 87 | 86,891 58 | 89,341 00 |
| Chelsea, . . . | 10,078 55 | 10,477 39 | 24,449 79 | 25,166 15 |
| Everett, . . . | 8,375 72 | 8,707 18 | 18,355 96 | 18,889 74 |
| Lynn, | 19,790 23 | 20,573 41 | — | — |
| Malden, . . . | 17,173 46 | 17,853 06 | 28,884 84 | 29,709 46 |
| Medford, . . . | 16,910 40 | 17,579 63 | 17,918 64 | 18,421 41 |
| Melrose, . . . | 5,696 87 | 5,922 31 | 11,744 15 | 12,077 04 |
| Newton, . . . | 35,676 65 | 37,088 48 | 52,621 96 | 64,430 93 |
| Quincy, . . . | 9,088 94 | 9,448 59 | 24,698 31 | 28,960 81 |
| Somerville, . . | 24,033 70 | 24,984 80 | 50,404 54 | 51,853 10 |
| Waltham, . . . | 9,234 06 | 9,599 48 | 25,189 36 | 28,376 89 |
| Woburn, . . . | 5,039 28 | 5,238 71 | 10,712 66 | 11,024 37 |
| Arlington, . . | 5,565 13 | 5,785 37 | 8,091 81 | 8,320 12 |
| Belmont, . . . | 2,983 44 | 3,101 48 | 4,642 06 | 4,769 69 |
| Braintree, . . | 2,360 69 | 2,454 07 | — | — |
| Brookline, . . | 41,732 98 | 43,384 54 | 53,933 77 | 75,817 23 |
| Canton, . . . | 2,886 52 | 3,000 73 | — | — |
| Cohasset, . . . | 477 54 | 479 10 | — | — |
| Dedham, . . . | 5,392 53 | 5,605 92 | 8,890 48 | 11,237 48 |
| Dover, | 685 51 | 712 64 | — | — |
| Hingham, . . . | 2,263 50 | 2,353 10 | — | — |
| Hull, | 2,893 67 | 3,008 16 | — | — |
| Hyde Park, . . | 5,267 70 | 5,476 18 | 13,472 36 | 15,556 83 |
| Lexington, . . | — | — | 2,483 43 | 2,549 18 |
| Milton, | 21,063 90 | 21,897 46 | 16,574 30 | 19,805 93 |
| Nahant, . . . | 5,039 27 | 5,238 71 | — | — |
| Needham, . . . | 1,598 76 | 1,662 04 | — | — |
| Revere, | 9,524 80 | 9,901 71 | 9,301 51 | 12,693 48 |
| Saugus, | 1,619 77 | 1,683 87 | — | — |
| Stoneham, . . . | 2,394 81 | 2,489 58 | 4,962 06 | 5,105 05 |
| Swampscott, . . | 2,907 51 | 3,022 55 | — | — |
| Wakefield, . . | 2,685 79 | 2,792 05 | 7,652 70 | 7,866 30 |
| Watertown, . . | 6,368 32 | 6,620 33 | 11,114 29 | 13,757 56 |
| Wellesley, . . | 3,911 19 | 4,065 98 | — | — |
| Weston, | 3,343 11 | 3,475 44 | — | — |
| Westwood, . . . | 678 13 | 704 97 | — | — |
| Weymouth, . . | 3,398 49 | 3,533 00 | — | — |
| Winchester, . . | 7,053 84 | 7,332 98 | 7,730 03 | 7,944 84 |
| Winthrop, . . . | 3,322 36 | 3,453 85 | 5,991 95 | 6,159 96 |
| Totals, | \$693,163 32 | \$720,559 46 | \$725,646 13 | \$824,580 08 |

Armory Loans.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price received. | Due Date. | Total. |
|-------------------|-----------|-------------------------------|-----------------|---------------|-----------|
| Jan. 1889, . | \$200,000 | 3 | 108.25 | Sept. 1918, } | \$720,000 |
| Jan. 1889, . | 400,000 | 3 | 109. | Sept. 1918, } | |
| June 1897, . | 120,000 | 3 | 100. | Mar. 1927, } | |
| Apr. 2, 1902, . | 100,000 | 3 | 100. | Mar. 1927, } | 178,000 |
| June 2, 1902, . | 50,000 | 3 | 100. | Mar. 1927, } | |
| Aug. 28, 1902, . | 25,000 | 3 | 100. | Mar. 1927, } | |
| Nov. 5, 1903, . | 3,000 | 3 | 100. | Mar. 1927, } | 168,000 |
| Feb. 1896, . | 150,000 | 3 | 100. | Sept. 1925, } | |
| May 27, 1902, . | 10,000 | 3 | 100. | Mar. 1927, } | |
| Aug. 28, 1902, . | 3,000 | 3 | 100. | Mar. 1927, } | 60,000 |
| July 3, 1903, . | 4,000 | 3 | 100. | Mar. 1927, } | |
| Sept. 29, 1903, . | 1,000 | 3 | 100. | Mar. 1927, } | |
| Sept. 1890, . | 40,000 | 3 | 104. | Sept. 1920, } | 60,000 |
| Jan. 1891, . | 15,000 | 3 | 102.50 | Sept. 1920, } | |
| Jan. 1892, . | 5,000 | 3 | 101. | Sept. 1921, } | |
| July 21, 1904, . | 60,000 | 3½ | 104.929 | Sept. 1934, } | 40,000 |
| Dec. 21, 1904, . | 40,000 | 3 | 100. | Sept. 1934, } | |
| Feb. 1892, . | 80,000 | 3 | 100. | Sept. 1921, } | |
| Apr. 19, 1892, . | 10,000 | 3 | 100. | Sept. 1921, } | 105,000 |
| Jan. 1889, . | 90,000 | 3 | 109.50 | Sept. 1918, } | |
| June 1889, . | 15,000 | 3 | 108.50 | Sept. 1918, } | |
| Feb. 1893, . | 100,000 | 3 | 100.25 | Sept. 1922, } | 178,000 |
| Sept. 17, 1901, . | 125,000 | 3½ | 106.71 | Sept. 1931, } | |
| Aug. 28, 1902, . | 38,000 | 3½ | 100. | Sept. 1931, } | |
| July 21, 1904, . | 15,000 | 3½ | 104.929 | Sept. 1931, } | 75,000 |
| Aug. 19, 1902, . | 70,000 | 3 | 100. | Mar. 1932, } | |
| Aug. 28, 1902, . | 5,000 | 3 | 100. | Mar. 1932, } | |
| July 1894, . | 110,000 | 3 | 100. | Sept. 1932, } | 123,000 |
| Sept. 1904, . | 13,000 | 3 | 100. | Sept. 1923, } | |
| Jan. 1889, . | 125,000 | 3 | 109.50 | Sept. 1918, } | |
| June 2, 1902, . | 4,000 | 3 | 100. | Mar. 1927, } | 132,000 |
| Aug. 28, 1902, . | 3,000 | 3 | 100. | Sept. 1918, } | |
| Jan. 24, 1905, . | 25,000 | 3 | 100. | Sept. 1934, } | |
| Mar. 24, 1905, . | 30,000 | 3½ | 104.628 | Mar. 1935, } | 25,000 |
| | | | | | 30,000 |

Armories.

Sinking Funds.

| CITY OR TOWN. | Due Date. | Bonds issued. | Sinking Fund Jan. 1, 1905. | Amount of 1905 Sinking Fund including Three Per Cent. Accumulations at Maturity. | Balance to be sunk. | Sinking Fund Requirements in 1905. |
|--------------------|-----------|---------------|----------------------------|--|---------------------|------------------------------------|
| Boston, . . . | { 1918 | \$600,000 | \$314,912 61 | \$463,774 80 | \$136,225 20 | \$8,710 23 |
| | { 1927 | 120,000 | 25,067 21 | 48,262 73 | 71,737 27 | 2,343 23 |
| Brockton, . . . | 1935 | 30,000* | - | - | 26,707 35 | 559 33 |
| Cambridge, . . . | 1927 | 178,000 | 14,093 77 | 27,135 20 | 150,864 80 | 4,927 84 |
| Fall River, . . . | { 1925 | 150,000 | 35,802 10 | 64,945 66 | 85,054 34 | 3,158 12 |
| | { 1927 | 18,000 | 1,301 01 | 2,504 88 | 15,495 12 | 506 14 |
| Fitchburg, . . . | { 1920 | 55,000 | 23,353 75 | 36,503 78 | 18,496 22 | 992 84 |
| | { 1921 | 5,000 | 1,874 90 | 3,019 20 | 1,980 80 | 98 10 |
| Gloucester, . . . | 1934 | 60,000† | - | - | 53,192 17 | 1,172 22 |
| Haverhill, . . . | 1934 | 40,000 | - | - | 40,000 00 | 881 50 |
| Lawrence, . . . | 1921 | 90,000 | 33,042 09 | 53,208 48 | 36,791 52 | 1,822 03 |
| Lowell, . . . | 1918 | 105,000 | 55,080 04 | 81,116 90 | 23,883 10 | 1,527 09 |
| Lynn, . . . | 1922 | 100,000 | 33,534 77 | 53,634 06 | 44,365 94 | 2,034 86 |
| Marlboro, . . . | 1934 | 25,000 | - | - | 25,000 00 | 550 93 |
| New Bedford, . . . | { 1931 | 15,000‡ | - | - | 13,443 49 | 347 63 |
| | { 1931 | 163,000 | 19,662 55 | 42,645 58 | 120,354 42 | 3,112 16 |
| Somerville, . . . | 1932 | 75,000 | 3,765 11 | 8,412 86 | 66,587 14 | 1,630 39 |
| Springfield, . . . | { 1923 | 110,000 | 32,414 59 | 55,401 06 | 54,598 94 | 2,327 13 |
| | { 1923 | 13,000 | - | - | 13,000 00 | 554 09 |
| Worcester, . . . | { 1918 | 128,000 | 65,985 99 | 97,178 19 | 30,821 81 | 1,970 75 |
| | { 1927 | 4,000 | 265 80 | 511 75 | 3,488 25 | 113 94 |
| | | \$2,084,000 | \$660,156 29 | \$1,040,255 13 | \$1,032,087 88 | \$39,340 55 |

* Brockton, Premium, \$1,388.40; amounts at Maturity, \$3,292.65.

† Gloucester, Premium, \$2,957.40; amounts at Maturity, \$6,807.83.

‡ New Bedford, Premium, \$739.35; amounts at Maturity, \$1,556.51.

Total Armory Requirement.

| CITY OR TOWN. | Due Date. | Amount of Loan. | Require-ments Sink-ing Fund 1905. | Total Interest 1905.* | Total Assess-ment 1905. |
|------------------------|----------------|--------------------------|-----------------------------------|-----------------------|-------------------------|
| Boston, | { 1918 1927 | { \$600,000 120,000 } | \$11,053 46 | \$21,926 71 | \$32,980 17 |
| Brockton, | 1935 | 30,000 | 559 33 | 708 75 | 1,268 08 |
| Cambridge, | 1927 | 178,000 | 4,927 84 | 5,420 77 | 10,348 61 |
| Fall River, | { 1925 1927 | { 150,000 18,000 } | 3,664 26 | 5,116 23 | 8,780 49 |
| Fitchburg, | { 1920 1921 | { 55,000 5,000 } | 1,090 94 | 1,827 23 | 2,918 17 |
| Gloucester, | 1934 | 60,000 | 1,172 22 | 2,677 50 | 3,849 72 |
| Haverhill, | 1934 | 40,000 | 881 50 | 1,163 33 | 2,044 83 |
| Lawrence, | 1921 | 90,000 | 1,822 03 | 2,740 84 | 4,562 87 |
| Lowell, | 1918 | 105,000 | 1,527 09 | 3,197 64 | 4,724 73 |
| Lynn, | 1922 | 100,000 | 2,034 86 | 3,045 38 | 5,080 24 |
| Marlboro, | 1934 | 25,000 | 550 93 | 658 33 | 1,209 26 |
| New Bedford, | { 1931 1931 | { 15,000 163,000 } | 3,459 79 | 6,328 63 | 9,788 42 |
| Somerville, | 1932 | 75,000 | 1,630 39 | 2,284 03 | 3,914 42 |
| Springfield, | { 1923 1923 | { 110,000 13,000 } | 2,881 22 | 3,847 16 | 6,728 38 |
| Worcester, | { 1918 1927 | { 128,000 4,000 } | 2,084 69 | 4,019 90 | 6,104 59 |
| | | \$2,084,000 | \$39,340 55 | \$64,962 43 | \$104,302 98 |

* Includes \$876.02, Interest on advances.

Securities in Armory Loan Sinking Fund June 1, 1905.

| | | | |
|--|------------|-------------------------------|--------------|
| Arlington, | \$1,000 00 | Melrose, | \$10,000 00 |
| Athol, | 2,000 00 | Milton, | 8,000 00 |
| Attleborough, | 7,000 00 | Natick, | 6,000 00 |
| Avon, | 17,000 00 | Needham, | 31,000 00 |
| Barnstable, | 15,000 00 | New Marlborough, | 4,000 00 |
| Belfast, Me., | 45,000 00 | North Adams, | 35,000 00 |
| Braintree, | 2,500 00 | North Attleborough, | 3,000 00 |
| Brockton, | 21,000 00 | Northbridge, | 5,000 00 |
| Brookline, | 2,100 00 | North Brookfield, | 10,000 00 |
| Chelsea, | 2,000 00 | Old Town, Me., | 20,000 00 |
| Concord, N. H., | 1,000 00 | Putnam, Ct., | 10,000 00 |
| Concord, | 16,000 00 | Quincy, | 15,000 00 |
| Cottage City, | 5,000 00 | Rutland, Vt., | 11,000 00 |
| Danbury, Ct., | 25,000 00 | Scituate, | 14,200 00 |
| Danvers, | 7,000 00 | Somerville, | 12,000 00 |
| Everett, | 4,000 25 | South Hadley, | 7,000 00 |
| Framingham, | 14,000 00 | Stoneham, | 2,000 00 |
| Gloucester, | 65,000 00 | Swampscott, | 10,500 00 |
| Holbrook, | 3,500 00 | Ware, | 1,000 00 |
| Leicester, | 13,000 00 | Waterbury, Ct., | 9,000 00 |
| Lenox, | 8,000 00 | Watertown, | 3,000 00 |
| Leominster, | 43,500 00 | Winthrop, | 29,250 00 |
| Manchester, N. H., | 6,000 00 | | |
| Marshfield, | 1,500 00 | | |
| Massachusetts (Armory Loan), | 89,000 00 | Total, | \$672,050 25 |

SUMMARY.

*Total Assessments on Cities and Towns, for Account of Water, Parks,
Sewers and Armories, for 1905.*

| | | | |
|--------------------|--------------|--------------------|----------------|
| Arlington, . . . | \$27,591 95 | Melrose, . . . | \$38,477 88 |
| Belmont, . . . | 14,508 47 | Milton, . . . | 58,283 99 |
| Boston, . . . | 2,406,640 44 | Nahant, . . . | 8,938 38 |
| Braintree, . . . | 2,454 07 | Needham, . . . | 1,662 04 |
| Brockton, . . . | 1,268 08 | New Bedford, . . . | 9,788 42 |
| Brookline, . . . | 119,201 77 | Newton, . . . | 112,218 92 |
| Cambridge, . . . | 139,260 48 | Quincy, . . . | 74,241 90 |
| Canton, . . . | 3,000 73 | Revere, . . . | 39,007 28 |
| Chelsea, . . . | 82,061 68 | Saugus, . . . | 1,683 87 |
| Cohasset, . . . | 479 10 | Somerville, . . . | 171,313 05 |
| Dedham, . . . | 16,843 40 | Springfield, . . . | 6,728 38 |
| Dover, . . . | 712 64 | Stoneham, . . . | 16,256 96 |
| Everett, . . . | 62,678 24 | Swampscott, . . . | 3,022 55 |
| Fall River, . . . | 8,780 49 | Wakefield, . . . | 10,658 35 |
| Fitchburg, . . . | 2,918 17 | Waltham, . . . | 37,976 37 |
| Gloucester, . . . | 3,849 72 | Watertown, . . . | 36,067 42 |
| Haverhill, . . . | 2,044 83 | Wellesley, . . . | 4,065 98 |
| Hingham, . . . | 2,353 10 | Weston, . . . | 3,475 44 |
| Hull, . . . | 3,008 16 | Westwood, . . . | 704 97 |
| Hyde Park, . . . | 24,289 78 | Weymouth, . . . | 3,533 00 |
| Lawrence, . . . | 4,562 87 | Winchester, . . . | 15,277 82 |
| Lexington, . . . | 9,228 98 | Winthrop, . . . | 20,637 87 |
| Lowell, . . . | 4,724 73 | Woburn, . . . | 16,263 08 |
| Lynn, . . . | 25,653 65 | Worcester, . . . | 6,104 59 |
| Malden, . . . | 97,283 03 | | |
| Marlborough, . . . | 1,209 26 | | |
| Medford, . . . | 64,632 58 | | |
| | | | <hr/> |
| | | | \$3,827,028 91 |

Sinking Fund Table.

One dollar put in each year, with interest at the rate of 3% per annum compounded semi-annually, amounts to the following in from 1 to 50 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 49.19242586.

| | | | |
|---------------------|---------------------------|---------------------|---------------------------|
| 1 year, | 1.03022500 1.06136355 | 16 years, | 20.80302288 1.65899635 |
| 2 years, | 2.09158855 1.09344326 | 17 years, | 22.46201923 1.70913951 |
| 3 years, | 3.18503181 1.12649258 | 18 years, | 24.17115874 1.76079825 |
| 4 years, | 4.31152439 1.16054082 | 19 years, | 25.93195699 1.81401838 |
| 5 years, | 5.47206521 1.19561816 | 20 years, | 27.74597537 1.86884708 |
| 6 years, | 6.66768337 1.23175572 | 21 years, | 29.61482245 1.92533299 |
| 7 years, | 7.89943909 1.26898553 | 22 years, | 31.54015544 1.98352617 |
| 8 years, | 9.16842462 1.30734062 | 23 years, | 33.52368161 2.04347825 |
| 9 years, | 10.47576524 1.34685499 | 24 years, | 35.56715986 2.10524238 |
| 10 years, | 11.82262023 1.38756368 | 25 years, | 37.67240224 2.16887333 |
| 11 years, | 13.21018391 1.42950279 | 26 years, | 39.84127557 2.23442753 |
| 12 years, | 14.63968670 1.47270952 | 27 years, | 42.07570310 2.30196310 |
| 13 years, | 16.11239622 1.51722216 | 28 years, | 44.37766620 2.37153993 |
| 14 years, | 17.62961838 1.56308020 | 29 years, | 46.74920613 2.44321973 |
| 15 years, | 19.19269858 1.61032430 | 30 years, | 49.19242586 2.51706605 |
| 16 years, | 20.80302288 | 31 years, | 51.70949191 |

Sinking Fund Table — Concluded.

| | | | |
|-----------------|---------------------------|-----------------|----------------------------|
| 31 years, . . . | 51.70949191 2.59314437 | 41 years, . . . | 81.46780766 3.49258936 |
| 32 years, . . . | 54.30263628 2.67152215 | 42 years, . . . | 84.96039702 3.59815287 |
| 33 years, . . . | 56.97415843 2.75226890 | 43 years, . . . | 88.55854989 3.70690703 |
| 34 years, . . . | 59.72642733 2.83545622 | 44 years, . . . | 92.26545692 3.81894828 |
| 35 years, . . . | 62.56188355 2.92115788 | 45 years, . . . | 96.08440520 3.93437598 |
| 36 years, . . . | 65.48304143 3.00944986 | 46 years, . . . | 100.01878118 4.05329248 |
| 37 years, . . . | 68.49249129 3.10041047 | 47 years, . . . | 104.07207366 4.17580323 |
| 38 years, . . . | 71.59290176 3.19412036 | 48 years, . . . | 108.24787689 4.30201689 |
| 39 years, . . . | 74.78702212 3.29066264 | 49 years, . . . | 112.54989378 4.43204535 |
| 40 years, . . . | 78.07768476 3.39012290 | 50 years, . . . | 116.98193913 |
| 41 years, . . . | 81.46780766 | | |

STATE HOUSE
Commonwealth of Massachusetts.

SINKING FUNDS,
INTEREST AND ASSESSMENTS
OF THE
METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL,
STATE LIBRARY
OF
MASSACHUSETTS



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1906.

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Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Aug. 1, 1906.

The amounts to be paid as assessments for 1906 by the cities and towns of the metropolitan districts for the requirements of the sinking funds, interest and maintenance, as called for by the systems of water, parks and sewers, have been compiled, in order that they may give full information respecting the amounts and the manner in which they are computed.

The metropolitan districts comprise forty-one cities and towns in the vicinity of and including Boston, with a population, according to the last census, of 1,275,364. They have combined for the purpose of mutual advantage in obtaining water, park benefits and systems of sewage disposal.

To finance this large undertaking the Commonwealth has issued its bonds to a total amount of \$67,160,412. This is distinct from the direct debt of the Commonwealth and imposes no direct burden upon the State as a whole, for the payment of these bonds is secured by sinking funds, provided for by annual assessments upon the cities and towns benefited. The State also collects from them the interest and cost of maintenance. The management of this enterprise is vested in a board of three water and sewer commissioners, five park commissioners, and three Charles River basin commissioners, all appointed by the Governor.

Of the total amount of bonds issued \$40,500,000 is for the metropolitan water system, which, however, is more than self-supporting to the cities and towns interested, for, while the total assessments on the cities and towns of the water district this year amount to \$2,262,657.20, the cities and towns received from the sale of the water to their citizens \$3,425,097.84, though from this amount they are compelled to pay for the maintenance of the system within their respective limits. So

that probably the revenue about balances the assessments and expenses. There have also been distributed to the cities and towns in proportion to their annual assessments various amounts received from the sale of water to outside interests and for entrance fees. This has amounted up to Nov. 1, 1905, to \$200,-390.32.

The total increase of the assessments of the metropolitan districts of 1906 over 1905 is \$252,288.58. Of this amount, \$238,936.68 is caused by the increased park assessments, \$100,000 of this amount being necessary on account of the gypsy moths, \$53,061.10 on account of Wellington bridge, and \$15,000 for band concerts. In the park assessments attention is especially called to the fact that under the law the assessments for parks last year should have been made according to an apportionment of a commission appointed to determine the basis to be used for the years 1905 to 1909.

This commission however did not report in time to levy the assessment, so an act was passed (Acts 1905, chapter 457) requiring the prior apportionment to be used for last year and an adjustment made this year. The figures for this adjustment appear on pages 12 to 20 inclusive and may cause confusion unless fully understood. The water assessments have increased \$85,070.81 over last year, almost entirely in the maintenance account, due largely to the payment of \$64,988 to the town of Clinton, as required by the special act of the Legislature of 1906 in compensation to that town on account of damages caused by the construction of the water works. The sewer assessments have decreased \$71,718.91 from last year, the greater portion of which is caused by a decrease in maintenance.

ARTHUR B. CHAPIN,
Treasurer and Receiver-General.

Total Assessments of the Metropolitan Districts for 1906.

| CITIES AND TOWNS. | Metropolitan Water. | Metropolitan Parks, including Boulevards, Nantasket and Wellington Bridge. | Metropolitan Sewer, North and South Systems. | Total. |
|-------------------|------------------------|---|---|----------------|
| Arlington, . . | \$13,663 68 | \$2,039 66 | \$8,043 51 ^N | \$23,746 85 |
| Belmont, . . | 5,668 67 | 1,673 61 | 4,516 64 ^N | 11,858 92 |
| Boston, . . | 1,822,556 33 | 620,044 95 | 61,791 73 ^N 164,563 84 ^S | 2,668,956 85 |
| Braintree, . . | — | 1,577 62 | — | 1,577 62 |
| Brookline, . . | — | 34,670 74 | 74,105 67 ^S | 108,776 41 |
| Cambridge, . . | — | 46,774 71 | 84,895 57 ^N | 131,670 28 |
| Canton, . . | — | 180 61 | — | 180 61 |
| Chelsea, . . | 57,687 81 | 13,061 51 | 22,722 35 ^N | 93,471 67 |
| Cohasset, . . | — | 99 89* | — | 99 89* |
| Dedham, . . | — | 3,225 56 | 9,746 91 ^S | 12,972 47 |
| Dover, . . | — | 156 18 | — | 156 18 |
| Everett, . . | 39,583 12 | 17,105 12 | 18,823 32 ^N | 75,511 56 |
| Hingham, . . | — | 1,460 19 | — | 1,460 19 |
| Hull, . . | — | 299 51 | — | 299 51 |
| Hyde Park, . . | 1,242 52 | 4,474 53 | 12,673 70 ^S | 18,390 75 |
| Lexington, . . | 6,205 30 | — | 3,072 26 ^N | 9,277 56 |
| Lynn, . . | — | 22,652 83 | — | 22,652 83 |
| Malden, . . | 38,087 38 | 22,204 25 | 27,531 28 ^N | 87,822 91 |
| Medford, . . | 31,653 25 | 26,873 78 | 17,018 25 ^N | 75,545 28 |
| Melrose, . . | 25,230 09 | 6,183 01 | 12,222 49 ^N | 43,635 59 |
| Milton, . . | 14,070 41 | 6,757 69 | 18,965 22 ^S | 39,793 32 |
| Nahant, . . | 4,187 88 | 2,078 58 | — | 6,266 46 |
| Needham, . . | — | 1,611 54 | — | 1,611 54 |
| Newton, . . | 6,234 22 | 17,122 69 | 58,372 99 ^S | 81,729 90 |
| Quincy, . . | 46,314 16 | 12,358 33 | 23,813 99 ^S | 82,486 48 |
| Reading, . . | — | 699 70 | — | 699 70 |
| Revere, . . | 16,894 21 | 13,959 02 | 9,696 13 ^N | 40,549 36 |
| Saugus, . . | — | 1,575 20 | — | 1,575 20 |
| Somerville, . . | 97,160 08 | 31,129 50 | 49,319 97 ^N | 177,609 55 |
| Stoneham, . . | 8,088 06 | 3,889 60 | 4,404 90 ^N | 16,382 56 |
| Swampscott, . . | — | 5,341 34 | — | 5,341 34 |
| Wakefield, . . | — | 3,652 78 | 7,140 26 ^N | 10,793 04 |
| Waltham, . . | — | 8,187 84 | 23,302 26 ^S | 31,490 10 |
| Watertown, . . | 14,778 34 | 3,198 15 | 11,777 86 ^S | 29,754 35 |
| Wellesley, . . | — | 5,121 93 | — | 5,121 93 |
| Weston, . . | — | 1,844 34 | — | 1,844 34 |
| Westwood, . . | — | 1,010 32 | — | 1,010 32 |
| Weymouth, . . | — | 1,879 04 | — | 1,879 04 |
| Winchester, . . | — | 6,852 28 | 8,006 97 ^N | 14,859 25 |
| Winthrop, . . | 13,351 69 | 3,222 39 | 6,519 24 ^N | 23,093 32 |
| Woburn, . . | — | 3,445 40 | 9,813 86 ^N | 13,259 26 |
| | \$2,262,657 20 | \$959,596 03 | \$752,861 17 | \$3,975,114 40 |
| | — | 99 89* | — | 99 89* |

N, North system.

S, South system.

* Due the town.

STATEMENT I.

TOTAL METROPOLITAN WATER ASSESSMENT FOR 1906.

| | | |
|--|--|----------------|
| Estimated cost of maintenance for 1906, as approved by the Metropolitan Water Board, | | \$461,488 00 |
| Balance on hand Dec. 31, 1905, by State Treasurer's report to be deducted, | | 55,986 68 |
| | | <hr/> |
| Amount to be assessed for maintenance, | | \$405,501 32 |
| Interest: * — | | |
| One year on \$39,150,000, | | \$1,315,750 00 |
| On advanced payments, | | 21,025 37 |
| | | <hr/> |
| | | 1,336,775 37 |
| Sinking fund requirements (see page 5), | | 520,380 51 |
| | | <hr/> |
| Total assessment for 1906, | | \$2,262,657 20 |

METROPOLITAN WATER LOAN SINKING FUND.

Method of finding Annual Requirements.

Find what the present sinking fund will amount to at the maturity of the loan, take this amount from the whole loan, and the difference will be the amount to be provided for. Divide this difference by the amount of \$1, put in each year (interest at 3 per cent. compounded semi-annually) for the number of years the loan has to run, and the result will be the amount required each year to pay the loan at maturity.

For instance, to find what amount will be necessary to put into the sinking fund each year to pay the 1935 loan at maturity, multiply \$2,212,291.23, the amount in the sinking fund Jan. 1, 1906, by 2.37153993, the amount of \$1 put at interest for twenty-nine years at 3 per cent., as found in the table on page 35, — and the result will be \$5,246,536.

Take this amount (\$5,246,536) from the amount of the whole loan due in 1935, viz., \$13,000,000, and the remainder, \$7,753,464, will be the amount of that loan unprovided for; divide the amount \$7,753,464 by the amount of \$1, put in each year with accumulations at 3 per cent. for twenty-eight years and one year without accumulations (the amount put in Nov. 15, 1934, not having time to accumulate a year's interest), viz., 45.37766620, as taken from table on page 35, and the result will be \$170,865.20, the amount necessary to be put in each year to equal the whole loan at maturity.

Proceed the same with the loan of each due date and the total will be the sinking fund requirement for 1906.

* The payments made by the district to the Commonwealth are for each previous year, thus requiring the Commonwealth to borrow money for current payments, this making the item interest on advanced payments.

METROPOLITAN WATER LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Jan. 1, 1906. | Amount of 1906 Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be sunk. | Sinking Fund Requirements in 1906. |
|------------------|--------------|-------------------------------|---|------------------------|---|
| \$13,000,000 | 1935 | \$2,212,291 23 | \$5,246,536 00 | \$7,753,464 00 | \$170,865 20 |
| 4,000,000 | 1938 | 528,824 94 | 1,371,319 00 | 2,628,681 00 | 49,871 12 |
| 4,000,000 | 1939 | 384,794 57 | 1,027,987 00 | 2,972,013 00 | 53,740 90 |
| 10,000,000 | 1941 | 681,709 03 | 1,932,956 00 | 8,067,044 00 | 132,842 40 |
| 3,500,000 | 1942 | 214,190 21 | 625,683 00 | 2,874,317 00 | 45,220 77 |
| 2,000,000 | 1943 | 82,073 58 | 246,996 00 | 1,753,004 00 | 26,367 69 |
| 2,000,000 | 1944 | 57,447 91 | 178,112 00 | 1,821,888 00 | 26,217 05 |
| 650,000 | 1945 | 45,714 22 | 146,017 00 | 503,983 00 | 6,942 61 |
| 630,000 | 1946 | — | — | — | 8,312 77 |
| \$39,780,000* | | \$4,207,045 69 | \$10,775,606 00 | \$28,374,394 00 | \$520,380 51 |

* \$720,000 additional issued after assessments made.

COMPUTATIONS FOR DETERMINING THE ASSESSMENT FOR 1906.

See Ch. 488, Acts of 1895, as amended in 1901, 1904 and 1906.

[The proportion to be paid by each city and town, except Boston, is based on the ratio of its valuation of property to its consumption of water, with double weight being given to consumption, Boston's proportion being the ratio of its valuation to the total valuation of the cities and towns of the district. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each town's assessment, multiply the total assessment by the average ratio, except Boston, where ratio is used. Next year and thereafter Boston's proportion is to be on the same basis as the other cities and towns.]

| CITIES AND TOWNS. | Valuation, 1905. | Average Daily Con- sumption (Gallons). 1905. | RATIO OF TOTAL | | Average Ratio, Double Weight to Consumption. |
|----------------------|---------------------|--|----------------|--------------|---|
| | | | Valuation. | Consumption. | |
| Boston, . . . | \$1,259,731,682 | — | .80549379450 | — | — |
| Chelsea, . . . | \$25,109,797 | 4,091,200 | .082545592 | .155345114 | .131078607 |
| Everett, . . . | 22,191,900 | 2,592,400 | .072953339 | .098434854 | .089941015 |
| Malden, . . . | 32,324,800 | 2,019,500 | .106264091 | .076681526 | .086542381 |
| Medford, . . . | 21,240,150 | 1,921,800 | .069824569 | .072971803 | .071922725 |
| Melrose, . . . | 15,329,695 | 1,601,100 | .050394623 | .060794648 | .057327973 |
| Newton,* . . . | 12,927,074 | — | .042496281 | — | .014165427 |
| Quincy, . . . | 25,575,960 | 3,050,100 | .084078050 | .115813975 | .105235333 |
| Somerville, . . | 59,146,600 | 6,160,900 | .194437698 | .233932762 | .220767740 |
| Arlington, . . | 10,136,110 | 787,700 | .033321305 | .029909402 | .031046703 |
| Belmont, . . . | 5,602,650 | 266,300 | .018418073 | .010111557 | .012880396 |
| Hyde Park,* . . | 2,576,454 | — | .008469798 | — | .002823266 |
| Lexington, . . | 5,957,670 | 299,100 | .019585160 | .011356992 | .014099715 |
| Milton, . . . | 21,762,932 | 320,900 | .071543155 | .012184749 | .031970884 |
| Nahant, . . . | 5,528,293 | 136,600 | .018173632 | .005186777 | .009515729 |
| Revere, . . . | 12,263,200 | 985,600 | .040313871 | .037423774 | .038387140 |
| Stoneham, . . | 4,897,349 | 514,000 | .016099476 | .019516863 | .018377734 |
| Watertown, . . | 12,378,135 | 790,700 | .040691706 | .030023314 | .033579445 |
| Winthrop, . . | 9,244,300 | 798,300 | .030389581 | .030311890 | .030337787 |
| | \$304,193,069 | 26,336,200 | 1.000000000 | 1.000000000 | 1.000000000 |

* In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present these towns have a sufficient supply, and have not made application for water.

METROPOLITAN WATER ASSESSMENT.

Division of the Assessment for 1906 into Cost of Maintenance, Interest and Sinking Fund Requirements.

| CITIES AND TOWNS. | Sinking Fund Requirement. | Cost of Maintenance. | Interest Requirement.* | Total Assessment.† |
|-------------------|---------------------------|----------------------|------------------------|--------------------|
| Boston, . . . | \$419,163 27 | \$326,628 80 | \$1,076,764 26 | \$1,822,556 33 |
| Chelsea, . . . | 13,267 42 | 10,338 50 | 34,081 89 | 57,687 81 |
| Everett, . . . | 9,103 58 | 7,093 87 | 23,385 67 | 39,583 12 |
| Malden, . . . | 8,759 58 | 6,825 82 | 22,501 98 | 38,087 38 |
| Medford, . . . | 7,279 81 | 5,672 73 | 18,700 71 | 31,653 25 |
| Melrose, . . . | 5,802 58 | 4,521 60 | 14,905 91 | 25,230 09 |
| Newton, . . . | 1,433 79 | 1,117 26 | 3,683 17 | 6,234 22 |
| Quincy, . . . | 10,651 63 | 8,300 18 | 27,362 35 | 46,314 16 |
| Somerville, . . . | 22,345 50 | 17,412 51 | 57,402 07 | 97,160 08 |
| Arlington, . . . | 3,142 46 | 2,448 73 | 8,072 49 | 13,663 68 |
| Belmont, . . . | 1,303 72 | 1,015 91 | 3,349 04 | 5,668 67 |
| Hyde Park, . . . | 285 76 | 222 68 | 734 08 | 1,242 52 |
| Lexington, . . . | 1,427 14 | 1,112 08 | 3,666 08 | 6,205 30 |
| Milton, . . . | 3,236 00 | 2,521 62 | 8,312 79 | 14,070 41 |
| Nahant, . . . | 963 16 | 750 53 | 2,474 19 | 4,187 88 |
| Revere, . . . | 3,885 44 | 3,027 69 | 9,981 08 | 16,894 21 |
| Stoneham, . . . | 1,860 14 | 1,449 50 | 4,778 42 | 8,088 06 |
| Watertown, . . . | 3,398 82 | 2,648 49 | 8,731 03 | 14,778 34 |
| Winthrop, . . . | 3,070 71 | 2,392 82 | 7,888 16 | 13,351 69 |
| | \$520,380 51 | \$405,501 32 | \$1,336,775 37 | \$2,262,657 20 |

* \$21,025.37 interest on advances included.

† Found by multiplying amount required by ratio, on page 5.

*Comparison of Total Assessments, 1905 and 1906, with Revenue from
Water Rates in 1905.*

| CITIES AND TOWNS. | WATER ASSESSMENTS. | | Water Revenue received by Cities and Towns. 1905. |
|---------------------|--------------------|----------------|--|
| | 1905. | 1906. | |
| Boston, | \$1,758,635 00 | \$1,822,556 33 | \$2,400,764 31 |
| Chelsea, | 46,418 14 | 57,687 81 | 114,579 22 |
| Everett, | 35,081 32 | 39,583 12 | 86,649 59 |
| Malden, | 49,720 51 | 38,087 38 | 108,175 22 |
| Medford, | 28,631 54 | 31,653 25 | 66,746 24 |
| Melrose, | 20,478 53 | 25,230 09 | 49,018 98 |
| Newton, | 10,699 51 | 6,234 22 | —* |
| Quincy, | 35,832 50 | 46,314 16 | 94,578 07 |
| Somerville, | 90,560 73 | 97,160 08 | 216,961 65 |
| Arlington, | 13,486 46 | 13,663 68 | 38,459 98 |
| Belmont, | 6,637 30 | 5,668 67 | 14,599 83 |
| Hyde Park, | 3,256 77 | 1,242 52 | —* |
| Lexington, | 6,679 80 | 6,205 30 | 17,794 46 |
| Milton, | 16,580 60 | 14,070 41 | 49,819 26 |
| Nahant, | 3,699 67 | 4,187 88 | 9,352 61 |
| Revere, | 16,412 09 | 16,894 21 | 48,789 40 |
| Stoneham, | 8,662 33 | 8,088 06 | 22,555 34 |
| Watertown, | 15,689 53 | 14,778 34 | 45,363 68 |
| Winthrop, | 10,424 06 | 13,351 69 | 40,890 00 |
| | \$2,177,586 39 | \$2,262,657 20 | \$3,425,097 84 |

* Not yet taking water from the district.

Net Water Debt of Cities of the Original Metropolitan Water District.

| CITIES. | 1895. | 1905. | 1906. | CHANGE OF PAST YEAR. | |
|---------------|-----------------|----------------|----------------|----------------------|--------------|
| | | | | Increase. | Reduction. |
| Boston, . | \$9,316,500 43 | \$623,310 56 | \$728,027 61 | \$104,717 05 | — |
| Somerville, . | 340,500 00 | 108,000 00 | 102,000 00 | — | \$6,000 00 |
| Chelsea, . | 282,577 00 | 217,393 00 | 198,783 00 | — | 18,610 00 |
| Everett, . | 162,957 76 | 113,674 00 | 107,602 82 | — | 6,071 18 |
| Malden, . | 515,738 30 | 321,418 99 | 333,293 93 | 11,874 94 | — |
| Medford, . | 324,084 00 | 243,354 81 | 134,520 33 | — | 108,834 48 |
| Melrose, . | 236,957 50 | 123,705 46 | 101,553 41 | — | 22,152 05 |
| | \$11,179,314 99 | \$1,750,856 82 | \$1,705,781 10 | \$116,591 99 | \$161,667 71 |

STATEMENT II.

METROPOLITAN PARKS.

The total amount of bonds issued for the metropolitan parks is \$12,632,500, including one-half of those for the boulevards, also called series two, and those for the improvement of Charles River basin, including also \$200,000 for Wellington bridge and \$16,000 for Wellesley bridge.

*Proportions to be paid Annually as found by Commissioners.**

| | Parks. 1905-1909. | Parks and Boulevards. 1900-1904. | Boulevard. 1905-1909. | NANTASKET. | |
|-----------------------|----------------------|--|--------------------------|------------|------------|
| | | | | 1905-1909. | 1900-1904. |
| Boston, | .62237 | .50000 | .46716 | .62009 | .5000000 |
| Cambridge, | .05405 | .05499 | .04558 | .05386 | .0538902 |
| Chelsea, | .01203 | .01456 | .02482 | .01198 | .0142688 |
| Everett, | .01037 | .01210 | .03986 | .01033 | .0118580 |
| Lynn, | .02733 | .02859 | .02166 | .02723 | .0280182 |
| Malden, | .01613 | .02481 | .02936 | .01607 | .0243089 |
| Medford, | .01081 | .02443 | .05678 | .01077 | .0239365 |
| Melrose, | .00772 | .00823 | .00578 | .00769 | .0080654 |
| Newton, | .03479 | .05154 | .02610 | .03467 | .0505141 |
| Quincy, | .01165 | .01313 | .02064 | .01161 | .0128723 |
| Somerville, | .02866 | .03472 | .02994 | .02855 | .0340305 |
| Waltham, | .01136 | .01334 | .00852 | .01132 | .0130732 |
| Woburn, | .00556 | .00728 | .00416 | .00554 | .0071344 |
| Arlington, | .00503 | .00804 | .00378 | .00501 | .0078743 |
| Belmont, | .00306 | .00431 | .00230 | .00305 | .0042238 |
| Braintree, | .00258 | .00341 | .00194 | .00257 | .0033467 |
| Brookline, | .04988 | .06029 | .03740 | .04970 | .0590793 |
| Canton, | .00206 | .00417 | .00154 | .00206 | .0040866 |
| Cohasset, | — | — | — | .00366 | .0100000 |
| Dedham, | .00566 | .00779 | .00424 | .00563 | .0076391 |
| Dover, | .00056 | .00099 | .00042 | .00056 | .0009751 |
| Hingham, | .00244 | .00327 | .00184 | .00243 | .0032046 |
| Hull, | .00214 | .00418 | .00160 | .00213 | .0041013 |
| Hyde Park, | .00605 | .00761 | .00618 | .00603 | .0074578 |
| Milton, | .01240 | .03043 | .04158 | .01236 | .0298214 |
| Nahant, | .00368 | .00728 | .00822 | .00366 | .0071344 |
| Needham, | .00209 | .00231 | .00156 | .00208 | .0022589 |
| Revere, | .00583 | .01376 | .05432 | .00580 | .0134848 |
| Saugus, | .00208 | .00234 | .00156 | .00207 | .0022932 |
| Stoneham, | .00252 | .00346 | .00188 | .00251 | .0033859 |
| Swampscott, | .00531 | .00420 | .00398 | .00529 | .0041209 |
| Wakefield, | .00410 | .00388 | .00308 | .00409 | .0038024 |
| Watertown, | .00630 | .00920 | .00472 | .00628 | .0090160 |
| Wellesley, | .00585 | .00565 | .00438 | .00583 | .0055419 |
| Weston, | .00341 | .00483 | .00256 | .00340 | .0047285 |
| Westwood, | .00109 | .00098 | .00082 | .00109 | .0009555 |
| Weymouth, | .00347 | .00491 | .00260 | .00346 | .0048069 |
| Winchester, | .00532 | .01019 | .02394 | .00530 | .0099911 |
| Winthrop, | .00426 | .00480 | .00320 | .00424 | .0046991 |
| | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.0000000 |

* See note at bottom of page 12.

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

| CITIES AND TOWNS. | Total Sinking Fund.* | Total Interest * | Total Maintenance, including \$100,000 for Suppression of Gypsy Moth and \$15,000 for Band Concerts. | Grand Total. |
|-------------------|----------------------|------------------|--|--------------|
| Boston, . . . | \$88,906 25 | \$241,336 95 | \$278,551 76 | \$608,794 96 |
| Cambridge, . . . | 6,298 67 | 17,683 29 | 21,815 75 | 45,797 71 |
| Chelsea, . . . | 1,882 16 | 5,255 42 | 5,706 48 | 12,844 06 |
| Everett, . . . | 2,725 53 | 7,362 88 | 6,829 27 | 16,917 68 |
| Lynn, . . . | 2,990 88 | 8,467 50 | 10,700 44 | 22,158 82 |
| Malden, . . . | 1,521 72 | 4,641 09 | 5,954 06 | 12,116 87 |
| Medford, . . . | 1,948 13 | 5,775 00 | 5,660 91 | 13,384 04 |
| Melrose, . . . | 803 06 | 2,289 19 | 2,951 21 | 6,043 46 |
| Newton, . . . | 1,484 37 | 5,301 07 | 9,708 39 | 16,493 83 |
| Quincy, . . . | 1,775 71 | 4,934 73 | 5,437 30 | 12,147 74 |
| Somerville, . . . | 2,840 95 | 8,279 24 | 10,744 99 | 21,865 18 |
| Waltham, . . . | 1,000 71 | 2,943 47 | 4,038 32 | 7,982 50 |
| Woburn, . . . | 378 13 | 1,178 17 | 1,788 59 | 3,344 89 |
| Arlington, . . . | 127 98 | 562 91 | 1,257 84 | 1,948 73 |
| Belmont, . . . | 163 85 | 544 52 | 909 93 | 1,618 30 |
| Braintree, . . . | 171 25 | 536 88 | 822 86 | 1,530 99 |
| Brookline, . . . | 4,139 44 | 12,326 27 | 17,303 39 | 33,769 10 |
| Canton, . . . | 77 70† | 75 28† | 296 34 | 143 36 |
| Cohasset, . . . | 22 60† | 58 92† | 18 37† | 99 89† |
| Dedham, . . . | 328 96 | 1,067 85 | 1,726 44 | 3,123 25 |
| Dover, . . . | 15 | 29 55 | 116 36 | 146 06 |
| Hingham, . . . | 155 60 | 492 93 | 767 56 | 1,416 09 |
| Hull, . . . | 58 43† | 25 88† | 345 14 | 260 83 |
| Hyde Park, . . . | 550 35 | 1,629 98 | 2,184 84 | 4,365 17 |
| Milton, . . . | 556 88 | 2,375 09 | 3,601 58 | 6,533 55 |
| Nahant, . . . | 192 88 | 716 07 | 1,103 11 | 2,012 06 |
| Needham, . . . | 205 04 | 590 60 | 778 12 | 1,573 76 |
| Revere, . . . | 2,294 11 | 6,345 05 | 5,214 47 | 13,853 63 |
| Saugus, . . . | 198 33 | 574 46 | 764 81 | 1,537 60 |
| Stoneham, . . . | 147 38 | 477 48 | 770 23 | 1,395 09 |
| Swampscott, . . . | 768 63 | 2,082 85 | 2,393 87 | 5,245 35 |
| Wakefield, . . . | 499 75 | 1,388 11 | 1,690 80 | 3,578 66 |
| Watertown, . . . | 288 18 | 1,005 41 | 1,790 68 | 3,084 27 |
| Wellesley, . . . | 695 27 | 1,938 55 | 2,382 36 | 5,016 18 |
| Weston, . . . | 178 46 | 597 13 | 1,007 12 | 1,782 71 |
| Westwood, . . . | 140 64 | 387 33 | 462 65 | 990 62 |
| Weymouth, . . . | 182 06 | 608 65 | 1,025 61 | 1,816 32 |
| Winchester, . . . | 1,005 10 | 2,898 85 | 2,852 17 | 6,756 12 |
| Winthrop, . . . | 405 47 | 1,174 80 | 1,565 12 | 3,145 39 |
| | \$127,952 03 | \$355,799 32 | \$423,020 87 | \$906,534 93 |
| | 158 73† | 160 08† | 18 37† | 99 89† |

* See page 26.

† Due the town.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1906 is made up as follows : —

| | | | |
|---------------------------------------|---------------|--------------|--------------|
| Parks, sinking fund, | \$101,132 56. | | |
| Parks, series two, sinking fund, . | 27,520 63 | | |
| Nantasket, sinking fund, . . . | 8,256 70 | | |
| | <hr/> | \$136,909 89 | |
| Less deduction, page 26, | | 9,116 59 | |
| Net sinking fund, | | <hr/> | \$127,793 30 |
| Parks interest : — | | | |
| One year's interest on \$7,774,000, . | \$267,015 00 | | |
| Interest on advances, | 5,343 07 | | |
| | <hr/> | \$272,358 07 | |
| Parks, series two : — | | | |
| One year's interest on \$2,242,500, . | \$76,425 00 | | |
| Interest on advances, | 1,389 42 | | |
| | <hr/> | 77,814 42 | |
| Nantasket : — | | | |
| One year's interest on \$700,000, . | \$21,000 00 | | |
| Interest on advances, | 142 36 | | |
| | <hr/> | 21,142 36 | |
| | | <hr/> | \$371,314 85 |
| Less deduction, page 26, | | 15,675 61 | |
| Net interest, | | <hr/> | 355,639 24 |
| Parks maintenance, | | \$344,139 00 | |
| Parks, series two, maintenance, . | | 52,563 50 | |
| Nantasket maintenance, | | 26,300 00 | |
| | | <hr/> | 423,002 50 |
| | | <hr/> | \$906,435 04 |

METROPOLITAN PARKS LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Jan. 1, 1906. | Amount of 1906 Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Requirements in 1906. |
|------------------|-----------|-------------------------------|---|--------------------------------|--|
| \$1,300,000 | 1934 | \$215,965 32 | \$497,144 19 | \$802,855 81 | \$18,638 26 |
| 2,000,000 | 1936 | 303,248 65 | 740,903 08 | 1,259,096 92 | 26,368 97 |
| 1,400,000 | 1937 | 203,008 48 | 510,985 75 | 889,014 25 | 17,712 12 |
| 1,000,000 | 1938 | 138,765 47 | 359,838 89 | 640,161 11 | 12,145 09 |
| 505,000 | 1939 | 65,464 64 | 174,890 23 | 330,109 77 | 5,969 16 |
| 450,000 | 1941 | 37,410 36 | 106,075 43 | 343,924 57 | 5,663 51 |
| 125,000 | 1943 | 7,105 39 | 21,383 31 | 103,616 69 | 1,558 55 |
| 324,000 | 1943 | 11,735 51 | 35,317 42 | 288,682 58 | 4,342 20 |
| 300,000 | 1944 | 10,409 71 | 32,274 37 | 267,725 63 | 3,852 59 |
| 370,000 | 1945 | 4,882 11 | 15,594 04 | 354,405 96 | 4,882 11 |
| \$7,774,000* | | \$997,995 64 | \$2,494,406 71 | \$5,279,593 29 | \$101,132 56 |
| NAN- TASKET. | | | | | |
| \$600,000 | 1939 | \$79,724 35 | \$212,985 36 | \$387,014 64 | \$6,998 13 |
| 100,000 | 1941 | 8,313 15 | 23,571 57 | 76,428 43 | 1,258 57 |
| \$700,000 | | \$88,037 50 | \$236,556 93 | \$463,443 07 | \$8,256 70 |
| | | | | | \$109,389 26 |

* \$300,000 additional issued after assessment made.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARD) (ONE-HALF).*

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Jan. 1, 1906. | Amount of 1906 Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Requirements in 1906. |
|------------------|-------------|-------------------------------|---|--------------------------------|--|
| \$250,000 | Jan., 1934, | \$43,846 10 | \$100,932 10 | \$149,067 90 | \$3,359 08 |
| 300,000 | Jan., 1936, | 48,028 22 | 117,343 49 | 182,656 51 | 3,713 11 |
| 500,000 | Jan., 1937, | 76,556 27 | 192,697 18 | 307,302 82 | 5,942 88 |
| 50,000 | July, 1938, | 7,326 49 | 18,998 65 | 31,001 35 | 560 58 |
| 250,000 | July, 1939, | 35,078 80 | 93,713 79 | 156,286 21 | 2,695 80 |
| 162,500 | July, 1940, | 18,457 88 | 50,801 05 | 111,698 95 | 1,839 38 |
| 225,000 | Jan., 1940, | 15,325 82 | 42,180 78 | 182,819 22 | 3,060 95 |
| 55,000 | Jan., 1943, | 3,288 54 | 9,896 70 | 45,103 30 | 658 52 |
| 150,000 | July, 1943, | 5,688 12 | 17,118 11 | 132,881 89 | 1,912 18 |
| 150,000 | Jan., 1944, | 5,449 25 | 16,894 91 | 133,105 09 | 1,859 20 |
| 150,000 | Jan., 1945, | 2,031 21 | 6,487 93 | 143,512 07 | 1,918 95 |
| \$2,242,500† | | \$261,076 70 | \$667,064 69 | \$1,575,435 31 | \$27,520 63 |

* Commonwealth pays one-half. † \$150,000 additional issued after assessment made.

METROPOLITAN PARKS LOAN.

*Sinking Fund, Equalized.**

[See chapter 457, Acts of 1905.]

| CITIES AND TOWNS. | Sinking Fund Apportionment. 1906. | Adjustment Account of Reapportion- ment of 1905 Assess- ment on the Basis of the 1906 Apportion- ment. | Total 1906 Parks Sinking Fund Assessment due the Commonwealth. |
|-----------------------|---|---|---|
| Boston, | \$62,941 87 | + \$12,485 04 | \$75,426 91 |
| Cambridge, | 5,466 22 | — 95 90 | 5,370 32 |
| Chelsea, | 1,216 62 | — 258 13 | 958 49 |
| Everett, | 1,048 75 | — 176 51 | 872 24 |
| Lynn, | 2,763 95 | — 128 55 | 2,635 40 |
| Malden, | 1,631 27 | — 885 58 | 745 69 |
| Medford, | 1,093 24 | — 1,389 61 | 296 37† |
| Melrose, | 780 74 | — 52 03 | 728 71 |
| Newton, | 3,518 40 | — 1,708 95 | 1,809 45 |
| Quincy, | 1,178 19 | — 151 00 | 1,027 19 |
| Somerville, | 2,898 46 | — 618 29 | 2,280 17 |
| Waltham, | 1,148 87 | — 202 01 | 946 86 |
| Woburn, | 562 30 | — 175 49 | 386 81 |
| Arlington, | 508 70 | — 307 10 | 201 60 |
| Belmont, | 309 47 | — 127 54 | 181 93 |
| Braintree, | 260 92 | — 84 68 | 176 24 |
| Brookline, | 5,044 49 | — 1,062 12 | 3,982 37 |
| Canton, | 208 33 | — 215 27 | 6 94† |
| Dedham, | 572 41 | — 217 32 | 355 09 |
| Dover, | 56 64 | — 43 87 | 12 77 |
| Hingham, | 246 76 | — 84 68 | 162 08 |
| Hull, | 216 42 | — 208 13 | 8 29 |
| Hyde Park, | 611 85 | — 159 17 | 452 68 |
| Milton, | 1,254 04 | — 1,839 55 | 585 51† |
| Nahant, | 372 17 | — 367 30 | 4 87 |
| Needham, | 211 37 | — 22 44 | 188 93 |
| Revere, | 589 60 | — 809 07 | 219 47† |
| Saugus, | 210 36 | — 26 52 | 183 84 |
| Stoneham, | 254 85 | — 95 90 | 158 95 |
| Swampscott, | 537 01 | + 113 25 | 650 26 |
| Wakefield, | 414 64 | + 22 45 | 437 09 |
| Watertown, | 637 14 | — 295 88 | 341 26 |
| Wellesley, | 591 63 | + 20 41 | 612 04 |
| Weston, | 344 86 | — 144 88 | 199 98 |
| Westwood, | 110 24 | + 11 22 | 121 46 |
| Weymouth, | 350 93 | — 146 92 | 204 01 |
| Winchester, | 538 03 | — 496 88 | 41 15 |
| Winthrop, | 430 82 | — 55 10 | 375 72 |
| | \$101,132 56 | + \$12,652 37 — 12,652 37 | \$102,240 85 1,108 29† |
| | | | \$101,132 56 |

* As the commission appointed to revise the assessment last year did not report in time to levy the assessment, an act was passed (Acts of 1905, chapter 457) requiring the prior apportionments to be used, and an adjustment made this year.

† Due the town.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARD).

Sinking Fund, Equalized.

| CITIES AND TOWNS. | Sinking Fund Apportionment. 1906. | Adjustment Account of Reapportion- ment of 1905 Assess- ment on the Basis of the 1906 Apportion- ment. | Total 1906 Boule- vard Sinking Fund Assessment due the Commonwealth. |
|-----------------------|--|---|---|
| Boston, | \$12,856 53 | — \$939 40 | \$11,917 13 |
| Cambridge, | 1,254 39 | — 269 18 | 985 21 |
| Chelsea, | 683 06 | + 293 49 | 976 55 |
| Everett, | 1,096 97 | + 794 08 | 1,891 05 |
| Lynn, | 596 10 | — 198 24 | 397 86 |
| Malden, | 808 00 | + 130 16 | 938 16 |
| Medford, | 1,562 62 | + 925 39 | 2,488 01 |
| Melrose, | 159 07 | — 70 08 | 88 99 |
| Newton, | 718 29 | — 727 73 | 9 44* |
| Quincy, | 568 03 | + 214 83 | 782 86 |
| Somerville, | 823 97 | — 136 73 | 687 24 |
| Waltham, | 234 48 | — 137 88 | 96 60 |
| Woburn, | 114 49 | — 89 25 | 25 24 |
| Arlington, | 104 03 | — 121 86 | 17 83* |
| Belmont, | 63 30 | — 57 50 | 5 80 |
| Braintree, | 53 39 | — 42 05 | 11 34 |
| Brookline, | 1,029 27 | — 654 78 | 374 49 |
| Canton, | 42 38 | — 75 23 | 32 85* |
| Dedham, | 116 69 | — 101 55 | 15 14 |
| Dover, | 11 56 | — 16 31 | 4 75* |
| Hingham, | 50 64 | — 40 91 | 9 73 |
| Hull, | 44 03 | — 73 80 | 29 77* |
| Hyde Park, | 170 08 | — 40 91 | 129 17 |
| Milton, | 1,144 31 | + 318 96 | 1,463 27 |
| Nahant, | 226 22 | + 26 89 | 253 11 |
| Needham, | 42 93 | — 21 45 | 21 48 |
| Revere, | 1,494 92 | + 1,160 24 | 2,655 16 |
| Saugus, | 42 93 | — 22 32 | 20 61 |
| Stoneham, | 51 74 | — 45 19 | 6 55 |
| Swampscott, | 109 53 | — 6 29 | 103 24 |
| Wakefield, | 84 76 | — 22 89 | 61 87 |
| Watertown, | 129 90 | — 128 15 | 1 75 |
| Wellesley, | 120 54 | — 36 33 | 84 21 |
| Weston, | 70 45 | — 64 94 | 5 51 |
| Westwood, | 22 57 | — 4 57 | 18 00 |
| Weymouth, | 71 55 | — 66 08 | 5 47 |
| Winchester, | 658 84 | + 393 33 | 1,052 17 |
| Winthrop, | 88 07 | — 45 77 | 42 30 |
| | \$27,520 63 | + \$4,257 37 — 4,257 37 | \$27,615 27 94 64* |
| | | | \$27,520 63 |

* Due the town.

METROPOLITAN PARKS LOAN, NANTASKET.

Sinking Fund, Equalized.

| CITIES AND TOWNS. | Sinking Fund Apportionment. 1906. | Adjustment Account of Reapportion- ment of 1905 Assess- ment on the Basis of the 1906 Apportion- ment. | Total 1906 Nan- tasket Sinking Fund Assessment due the Commonwealth. |
|---------------------|---|---|---|
| Boston, | \$5,119 90 | + \$1,000 62 | \$6,120 52 |
| Cambridge, | 444 71 | — 25 | 444 46 |
| Chelsea, | 98 92 | — 19 07 | 79 85 |
| Everett, | 85 29 | — 12 73 | 72 56 |
| Lynn, | 224 83 | — 6 57 | 218 26 |
| Malden, | 132 69 | — 68 65 | 64 04 |
| Medford, | 88 92 | — 109 71 | 20 79* |
| Melrose, | 63 49 | — 3 12 | 60 37 |
| Newton, | 286 26 | — 132 02 | 154 24 |
| Quincy, | 95 86 | — 10 52 | 85 34 |
| Somerville, | 235 73 | — 45 66 | 190 07 |
| Waltham, | 93 47 | — 14 61 | 78 86 |
| Woburn, | 45 74 | — 13 29 | 32 45 |
| Arlington, | 41 37 | — 23 87 | 17 50 |
| Belmont, | 25 18 | — 9 78 | 15 40 |
| Braintree, | 21 22 | — 6 48 | 14 74 |
| Brookline, | 410 36 | — 78 16 | 332 20 |
| Canton, | 17 01 | — 16 89 | 12 |
| Cohasset, | 30 22 | — 52 82 | 22 60* |
| Dedham, | 46 49 | — 16 74 | 29 75 |
| Dover, | 4 62 | — 3 45 | 1 17 |
| Hingham, | 20 06 | — 6 45 | 13 61 |
| Hull, | 17 59 | — 16 42 | 1 17 |
| Hyde Park, | 49 79 | — 11 90 | 37 89 |
| Milton, | 102 05 | — 145 49 | 43 44* |
| Nahant, | 30 22 | — 28 95 | 1 27 |
| Needham, | 17 17 | — 1 49 | 15 68 |
| Revere, | 47 89 | — 64 03 | 16 14* |
| Saugus, | 17 09 | — 1 86 | 15 23 |
| Stoneham, | 20 72 | — 7 30 | 13 42 |
| Swampscott, | 43 68 | + 9 74 | 53 42 |
| Wakefield, | 33 77 | + 2 40 | 36 17 |
| Watertown, | 51 85 | — 22 80 | 29 05 |
| Wellesley, | 48 14 | + 2 40 | 50 54 |
| Weston, | 28 07 | — 11 07 | 17 00 |
| Westwood, | 9 00 | + 1 12 | 10 12 |
| Weymouth, | 28 56 | — 11 22 | 17 34 |
| Winchester, | 43 76 | — 39 09 | 4 67 |
| Winthrop, | 35 01 | — 3 82 | 31 19 |
| | \$8,256 70 | + \$1,016 28 — 1,016 28 | \$8,359 67 102 97* |
| | ↑ | | \$8,256 70 |

* Due the town.

METROPOLITAN PARKS LOAN.

Interest, Equalized.

| CITIES AND TOWNS. | Interest Apportionment. 1906. | Adjustment Account of Reapportionment of 1905 Assessment on the Basis of the 1906 Apportionment. | Total 1906 Parks Interest Assessment due the Commonwealth. |
|-----------------------|----------------------------------|--|--|
| Boston, | \$169,507 49 | + \$29,827 08 | \$199,334 57 |
| Cambridge, | 14,720 95 | — 229 12 | 14,491 83 |
| Chelsea, | 3,276 47 | — 616 68 | 2,659 79 |
| Everett, | 2,824 35 | — 421 67 | 2,402 68 |
| Lynn, | 7,443 55 | — 307 12 | 7,136 43 |
| Malden, | 4,393 14 | — 2,115 70 | 2,277 44 |
| Medford, | 2,944 19 | — 3,319 81 | 375 62* |
| Melrose, | 2,102 60 | — 124 31 | 1,978 29 |
| Newton, | 9,475 34 | — 4,082 73 | 5,392 61 |
| Quincy, | 3,172 97 | — 360 74 | 2,812 23 |
| Somerville, | 7,805 78 | — 1,477 10 | 6,328 68 |
| Waltham, | 3,093 99 | — 482 62 | 2,611 37 |
| Woburn, | 1,514 31 | — 419 24 | 1,095 07 |
| Arlington, | 1,369 96 | — 733 67 | 636 29 |
| Belmont, | 833 42 | — 304 68 | 528 74 |
| Braintree, | 702 68 | — 202 31 | 500 37 |
| Brookline, | 13,585 22 | — 2,537 39 | 11,047 83 |
| Canton, | 561 06 | — 514 31 | 46 75 |
| Dedham, | 1,541 55 | — 519 17 | 1,022 38 |
| Dover, | 152 52 | — 104 81 | 47 71 |
| Hingham, | 664 55 | — 202 31 | 462 24 |
| Hull, | 582 85 | — 497 24 | 85 61 |
| Hyde Park, | 1,647 77 | — 380 24 | 1,267 53 |
| Milton, | 3,377 24 | — 4,394 72 | 1,017 48* |
| Nahant, | 1,002 28 | — 877 48 | 124 80 |
| Needham, | 569 23 | — 53 62 | 515 61 |
| Revere, | 1,587 85 | — 1,932 90 | 345 05* |
| Saugus, | 566 50 | — 63 37 | 503 13 |
| Stoneham, | 686 34 | — 229 12 | 457 22 |
| Swampscott, | 1,446 22 | + 270 56 | 1,716 78 |
| Wakefield, | 1,116 67 | + 53 62 | 1,170 29 |
| Watertown, | 1,715 86 | — 706 86 | 1,009 00 |
| Wellesley, | 1,593 29 | + 48 75 | 1,642 04 |
| Weston, | 928 74 | — 346 12 | 582 62 |
| Westwood, | 296 87 | + 26 81 | 323 68 |
| Weymouth, | 945 08 | — 350 99 | 594 09 |
| Winchester, | 1,448 94 | — 1,187 04 | 261 90 |
| Winthrop, | 1,160 25 | — 131 63 | 1,028 62 |
| | \$272,358 07 | + \$30,226 82 — 30,226 82 | \$274,096 22 1,738 15* |
| | | | \$272,358 07 |

* Due the town.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARD).

Interest, Equalized.

| CITIES AND TOWNS. | Interest Apportionment. 1906. | Adjustment Account of Reapportion- ment of 1905 Assess- ment on the Basis of the 1906 Apportion- ment. | Total 1906 Boule- vard Interest Assessment due the Commonwealth. |
|-----------------------|-------------------------------------|---|---|
| Boston, | \$36,351 79 | — \$2,203 50 | \$34,148 29 |
| Cambridge, | 3,546 78 | — 631 40 | 2,915 38 |
| Chelsea, | 1,931 35 | + 688 43 | 2,619 78 |
| Everett, | 3,101 68 | + 1,862 64 | 4,964 32 |
| Lynn, | 1,685 46 | — 464 99 | 1,220 47 |
| Malden, | 2,284 63 | + 305 30 | 2,589 93 |
| Medford, | 4,418 30 | + 2,170 62 | 6,588 92 |
| Melrose, | 449 77 | — 164 39 | 285 38 |
| Newton, | 2,030 96 | — 1,706 98 | 323 98 |
| Quincy, | 1,606 09 | + 503 91 | 2,110 00 |
| Somerville, | 2,329 76 | — 320 73 | 2,009 03 |
| Waltham, | 662 98 | — 323 41 | 339 57 |
| Woburn, | 323 71 | — 209 34 | 114 37 |
| Arlington, | 294 14 | — 285 84 | 8 30 |
| Belmont, | 178 97 | — 134 87 | 44 10 |
| Braintree, | 150 96 | — 98 63 | 52 33 |
| Brookline, | 2,910 26 | — 1,535 88 | 1,374 38 |
| Canton, | 119 84 | — 176 47 | 56 63* |
| Dedham, | 329 93 | — 238 19 | 91 74 |
| Dover, | 32 68 | — 38 25 | 5 57* |
| Hingham, | 143 18 | — 95 95 | 47 23 |
| Hull, | 124 50 | — 173 11 | 48 61* |
| Hyde Park, | 480 89 | — 95 95 | 384 94 |
| Milton, | 3,235 52 | + 748 14 | 3,983 66 |
| Nahant, | 639 64 | + 63 08 | 702 72 |
| Needham, | 121 39 | — 50 33 | 71 06 |
| Revere, | 4,226 88 | + 2,721 50 | 6,948 38 |
| Saugus, | 121 39 | — 52 34 | 69 05 |
| Stoneham, | 146 29 | — 106 02 | 40 27 |
| Swampscott, | 309 69 | — 14 76 | 294 93 |
| Wakefield, | 239 67 | — 53 68 | 185 99 |
| Watertown, | 367 29 | — 300 60 | 66 69 |
| Wellesley, | 340 83 | — 85 21 | 255 62 |
| Weston, | 199 20 | — 152 31 | 46 89 |
| Westwood, | 63 81 | — 10 74 | 53 07 |
| Weymouth, | 202 32 | — 154 99 | 47 33 |
| Winchester, | 1,862 88 | + 922 60 | 2,785 48 |
| Winthrop, | 249 01 | — 107 36 | 141 65 |
| | \$77,814 42 | + \$9,986 22 — 9,986 22 | \$77,925 23 110 81* |
| | | | \$77,814 42 |

* Due the town.

METROPOLITAN PARKS LOAN, NANTASKET.

Interest, Equalized.

| CITIES AND TOWNS. | Interest Apportionment. 1906. | Adjustment Account of Reapportion- ment of 1905 Assess- ment on the Basis of the 1906 Apportion- ment. | Total 1906 Nan- tasket Interest Assessment due the Commonwealth. |
|---------------------|-------------------------------------|---|---|
| Boston, | \$13,110 17 | + \$2,581 72 | \$15,691 89 |
| Cambridge, | 1,138 73 | — 65 | 1,138 08 |
| Chelsea, | 253 29 | — 49 20 | 204 09 |
| Everett, | 218 40 | — 32 85 | 185 55 |
| Lynn, | 575 71 | — 16 94 | 558 77 |
| Malden, | 339 76 | — 177 12 | 162 64 |
| Medford, | 227 70 | — 283 05 | 55 35* |
| Melrose, | 162 59 | — 8 07 | 154 52 |
| Newton, | 733 01 | — 340 62 | 392 39 |
| Quincy, | 245 46 | — 27 14 | 218 32 |
| Somerville, | 603 61 | — 117 83 | 485 78 |
| Waltham, | 239 33 | — 37 69 | 201 64 |
| Woburn, | 117 13 | — 34 28 | 82 85 |
| Arlington, | 105 92 | — 61 57 | 44 35 |
| Belmont, | 64 48 | — 25 23 | 39 25 |
| Braintree, | 54 34 | — 16 70 | 37 64 |
| Brookline, | 1,050 78 | — 201 64 | 849 14 |
| Canton, | 43 55 | — 43 57 | 02* |
| Cohasset, | 77 38 | — 136 30 | 58 92* |
| Dedham, | 119 03 | — 43 20 | 75 83 |
| Dover, | 11 84 | — 8 92 | 2 92 |
| Hingham, | 51 38 | — 16 65 | 34 73 |
| Hull, | 45 03 | — 42 38 | 2 65 |
| Hyde Park, | 127 49 | — 30 69 | 96 80 |
| Milton, | 261 32 | — 375 39 | 114 07* |
| Nahant, | 77 38 | — 74 70 | 2 68 |
| Needham, | 43 98 | — 3 84 | 40 14 |
| Revere, | 122 63 | — 165 21 | 42 58* |
| Saugus, | 43 76 | — 4 80 | 38 96 |
| Stoneham, | 53 07 | — 18 83 | 34 24 |
| Swampscott, | 111 84 | + 25 14 | 136 98 |
| Wakefield, | 86 47 | + 6 18 | 92 65 |
| Watertown, | 132 77 | — 58 83 | 73 94 |
| Wellesley, | 123 26 | + 6 20 | 129 46 |
| Weston, | 71 88 | — 28 56 | 43 32 |
| Westwood, | 23 05 | + 2 89 | 25 94 |
| Weymouth, | 73 15 | — 28 96 | 44 19 |
| Winchester, | 112 05 | — 100 85 | 11 20 |
| Winthrop, | 89 64 | — 9 87 | 79 77 |
| | \$21,142 36 | + \$2,622 13 — 2,622 13 | \$21,413 30 270 94* |
| | | | \$21,142 36 |

* Due the town.

METROPOLITAN PARKS LOAN.

Maintenance, Equalized.

| CITIES AND TOWNS. | Maintenance Apportionment, 1906, including \$100,000 Gypsy Moth and \$10,000 Band Concerts. | Adjustment Account of Reapportionment of 1905 Assessment on the Basis of the 1906 Apportionment. | Total 1906 Parks Maintenance Assessment due the Commonwealth. |
|-----------------------|---|--|---|
| Boston, | \$214,181 79 | + \$22,806 15 | \$236,987 94 |
| Cambridge, | 18,600 71 | — 175 19 | 18,425 52 |
| Chelsea, | 4,139 99 | — 471 51 | 3,668 48 |
| Everett, | 3,568 72 | — 322 42 | 3,246 30 |
| Lynn, | 9,405 32 | — 234 82 | 9,170 50 |
| Malden, | 5,550 96 | — 1,617 69 | 3,933 27 |
| Medford, | 3,720 14 | — 2,538 36 | 1,181 78 |
| Melrose, | 2,656 76 | — 95 05 | 2,561 71 |
| Newton, | 11,972 60 | — 3,121 70 | 8,850 90 |
| Quincy, | 4,009 22 | — 275 82 | 3,733 40 |
| Somerville, | 9,863 03 | — 1,129 40 | 8,733 63 |
| Waltham, | 3,909 42 | — 369 01 | 3,540 41 |
| Woburn, | 1,913 41 | — 320 56 | 1,592 85 |
| Arlington, | 1,731 02 | — 560 98 | 1,170 04 |
| Belmont, | 1,053 07 | — 232 97 | 820 10 |
| Braintree, | 887 88 | — 154 68 | 733 20 |
| Brookline, | 17,165 65 | — 1,940 12 | 15,225 53 |
| Canton, | 708 93 | — 393 24 | 315 69 |
| Dedham, | 1,947 83 | — 396 97 | 1,550 86 |
| Dover, | 192 72 | — 80 14 | 112 58 |
| Hingham, | 839 70 | — 154 69 | 685 01 |
| Hull, | 736 46 | — 380 20 | 356 26 |
| Hyde Park, | 2,082 04 | — 290 74 | 1,791 30 |
| Milton, | 4,267 32 | — 3,360 26 | 907 06 |
| Nahant, | 1,266 43 | — 670 94 | 595 49 |
| Needham, | 719 25 | — 41 00 | 678 25 |
| Revere, | 2,006 33 | — 1,477 92 | 528 41 |
| Saugus, | 715 81 | — 48 46 | 667 35 |
| Stoneham, | 867 23 | — 175 19 | 692 04 |
| Swampscott, | 1,827 37 | + 206 87 | 2,034 24 |
| Wakefield, | 1,410 97 | + 41 00 | 1,451 97 |
| Watertown, | 2,168 08 | — 540 47 | 1,627 61 |
| Wellesley, | 2,013 21 | + 37 28 | 2,050 49 |
| Weston, | 1,173 51 | — 264 65 | 908 86 |
| Westwood, | 375 11 | + 20 50 | 395 61 |
| Weymouth, | 1,194 16 | — 268 38 | 925 78 |
| Winchester, | 1,830 82 | — 907 63 | 923 19 |
| Winthrop, | 1,466 03 | — 100 64 | 1,365 39 |
| | \$344,139 00 | + \$23,111 80 — 23,111 80 | \$344,139 00 |

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARD).

Maintenance, Equalized.

| CITIES AND TOWNS. | Maintenance Apportionment. 1906. | Adjustment Account of Reapportionment of 1905 Assessment on the Basis of the 1906 Apportionment. | Total 1906 Boulevard Maintenance Assessment due the Commonwealth. |
|-----------------------|-------------------------------------|--|---|
| Boston, | \$24,555 56 | — \$1,471 33 | \$23,084 23 |
| Cambridge, | 2,395 84 | — 421 59 | 1,974 25 |
| Chelsea, | 1,304 63 | + 459 68 | 1,764 31 |
| Everett, | 2,095 18 | + 1,243 73 | 3,338 91 |
| Lynn, | 1,138 53 | — 310 49 | 828 04 |
| Malden, | 1,543 26 | + 203 85 | 1,747 11 |
| Medford, | 2,984 56 | + 1,449 37 | 4,433 93 |
| Melrose, | 303 82 | — 109 77 | 194 05 |
| Newton, | 1,371 91 | — 1,139 78 | 232 13 |
| Quincy, | 1,084 91 | + 336 47 | 1,421 38 |
| Somerville, | 1,573 75 | — 214 16 | 1,359 59 |
| Waltham, | 447 84 | — 215 95 | 231 89 |
| Woburn, | 218 66 | — 139 79 | 78 87 |
| Arlington, | 198 69 | — 190 86 | 7 83 |
| Belmont, | 120 90 | — 90 05 | 30 85 |
| Braintree, | 101 97 | — 65 86 | 36 11 |
| Brookline, | 1,965 87 | — 1,025 54 | 940 33 |
| Canton, | 80 95 | — 117 84 | 36 89* |
| Dedham, | 222 87 | — 159 04 | 63 83 |
| Dover, | 22 08 | — 25 53 | 3 45* |
| Hingham, | 96 72 | — 64 07 | 32 65 |
| Hull, | 84 10 | — 115 60 | 31 50* |
| Hyde Park, | 324 84 | — 64 07 | 260 77 |
| Milton, | 2,185 59 | + 499 56 | 2,685 15 |
| Nahant, | 432 07 | + 42 11 | 474 18 |
| Needham, | 82 00 | — 33 60 | 48 40 |
| Revere, | 2,855 25 | + 1,817 21 | 4,672 46 |
| Saugus, | 82 00 | — 34 95 | 47 05 |
| Stoneham, | 98 82 | — 70 80 | 28 02 |
| Swampscott, | 209 20 | — 9 85 | 199 35 |
| Wakefield, | 161 90 | — 35 84 | 126 06 |
| Watertown, | 248 10 | — 200 72 | 47 38 |
| Wellesley, | 230 23 | — 56 90 | 173 33 |
| Weston, | 134 56 | — 101 70 | 32 86 |
| Westwood, | 43 10 | — 7 17 | 35 93 |
| Weymouth, | 136 67 | — 103 49 | 33 18 |
| Winchester, | 1,258 37 | + 616 04 | 1,874 41 |
| Winthrop, | 168 20 | — 71 68 | 96 52 |
| | \$52,563 50 | + \$6,668 02 — 6,668 02 | \$52,635 34 71 84* |
| | | | \$52,563 50 |

* Due the town.

METROPOLITAN PARKS LOAN, NANTASKET.

Maintenance, Equalized.

| CITIES AND TOWNS. | Maintenance Apportionment, 1906, including \$5,000 for Band Concerts. | Adjustment Account of Reapportionment of 1905 Assessment on the Basis of the 1906 Apportionment. | Total 1906 Nantasket Maintenance Assessment due the Commonwealth. |
|-----------------------|---|--|---|
| Boston, | \$16,308 37 | + \$2,171 22 | \$18,479 59 |
| Cambridge, | 1,416 52 | — 54 | 1,415 98 |
| Chelsea, | 315 07 | — 41 38 | 273 69 |
| Everett, | 271 68 | — 27 62 | 244 06 |
| Lynn, | 716 15 | — 14 25 | 701 90 |
| Malden, | 422 64 | — 148 96 | 273 68 |
| Medford, | 283 25 | — 238 05 | 45 20 |
| Melrose, | 202 25 | — 6 79 | 195 46 |
| Newton, | 911 82 | — 286 46 | 625 36 |
| Quincy, | 305 34 | — 22 82 | 282 52 |
| Somerville, | 750 86 | — 99 09 | 651 77 |
| Waltham, | 297 72 | — 31 70 | 266 02 |
| Woburn, | 145 70 | — 28 83 | 116 87 |
| Arlington, | 131 76 | — 51 79 | 79 97 |
| Belmont, | 80 21 | — 21 23 | 58 98 |
| Braintree, | 67 59 | — 14 04 | 53 55 |
| Brookline, | 1,307 11 | — 169 58 | 1,137 53 |
| Canton, | 54 18 | — 36 64 | 17 54 |
| Cohasset, | 96 26 | — 114 63 | 18 37* |
| Dedham, | 148 07 | — 36 32 | 111 75 |
| Dover, | 14 73 | — 7 50 | 7 23 |
| Hingham, | 63 91 | — 14 01 | 49 90 |
| Hull, | 56 02 | — 35 64 | 20 38 |
| Hyde Park, | 158 59 | — 25 82 | 132 77 |
| Milton, | 325 07 | — 315 70 | 9 37 |
| Nahant, | 96 26 | — 62 82 | 33 44 |
| Needham, | 54 70 | — 3 23 | 51 47 |
| Revere, | 152 54 | — 138 94 | 13 60 |
| Saugus, | 54 44 | — 4 03 | 50 41 |
| Stoneham, | 66 01 | — 15 84 | 50 17 |
| Swampscott, | 139 13 | + 21 14 | 160 27 |
| Wakefield, | 107 57 | + 5 20 | 112 77 |
| Watertown, | 165 16 | — 49 47 | 115 69 |
| Wellesley, | 153 33 | + 5 21 | 158 54 |
| Weston, | 89 42 | — 24 02 | 65 40 |
| Westwood, | 28 67 | + 2 44 | 31 11 |
| Weymouth, | 91 00 | — 24 35 | 66 65 |
| Winchester, | 139 39 | — 84 82 | 54 57 |
| Winthrop, | 111 51 | — 8 30 | 103 21 |
| | \$26,300 00 | + \$2,205 21 — 2,205 21 | \$26,318 37 18 37* |

* Due the town.

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).
Sinking Fund.

| CITIES AND TOWNS. | Proportion Parks Sinking Fund. | Proportion Boulevard Sink- ing Fund. | Proportion Nantasket Sink- ing Fund. | Total Sinking Fund. |
|-------------------|--------------------------------------|--|--|------------------------|
| Boston, . . . | \$70,868 60 | \$11,917 13 | \$6,120 52 | \$88,906 25 |
| Cambridge, . . | 4,869 00 | 985 21 | 444 46 | 6,298 67 |
| Chelsea, . . . | 825 76 | 976 55 | 79 85 | 1,882 16 |
| Everett, . . . | 761 92 | 1,891 05 | 72 56 | 2,725 53 |
| Lynn, | 2,374 76 | 397 86 | 218 26 | 2,990 88 |
| Malden, . . . | 519 52 | 938 16 | 64 04 | 1,521 72 |
| Medford, . . . | 519 09* | 2,488 01 | 20 79* | 1,948 13 |
| Melrose, . . . | 653 70 | 88 99 | 60 37 | 803 06 |
| Newton, . . . | 1,339 57 | 9 44* | 154 24 | 1,484 37 |
| Quincy, . . . | 907 51 | 782 86 | 85 34 | 1,775 71 |
| Somerville, . . | 1,963 64 | 687 24 | 190 07 | 2,840 95 |
| Waltham, . . . | 825 25 | 96 60 | 78 86 | 1,000 71 |
| Woburn, . . . | 320 44 | 25 24 | 32 45 | 378 13 |
| Arlington, . . | 128 31 | 17 83* | 17 50 | 127 98 |
| Belmont, . . . | 142 65 | 5 80 | 15 40 | 163 85 |
| Braintree, . . | 145 17 | 11 34 | 14 74 | 171 25 |
| Brookline, . . | 3,432 75 | 374 49 | 332 20 | 4,139 44 |
| Canton, . . . | 44 97* | 32 85* | 12 | 77 70* |
| Cohasset, . . . | — | — | 22 60* | 22 60* |
| Dedham, . . . | 284 07 | 15 14 | 29 75 | 328 96 |
| Dover, | 3 73 | 4 75* | 1 17 | 15 |
| Hingham, . . . | 132 26 | 9 73 | 13 61 | 155 60 |
| Hull, | 29 83* | 29 77* | 1 17 | 58 43* |
| Hyde Park, . . | 383 29 | 129 17 | 37 89 | 550 35 |
| Milton, | 862 95* | 1,463 27 | 43 44* | 556 88 |
| Nahant, | 61 50* | 253 11 | 1 27 | 192 88 |
| Needham, . . . | 167 88 | 21 48 | 15 68 | 205 04 |
| Revere, | 344 91* | 2,655 16 | 16 14* | 2,294 11 |
| Saugus, | 162 49 | 20 61 | 15 23 | 198 33 |
| Stoneham, . . . | 127 41 | 6 55 | 13 42 | 147 38 |
| Swampscott, . . | 611 97 | 103 24 | 53 42 | 768 63 |
| Wakefield, . . | 401 71 | 61 87 | 36 17 | 499 75 |
| Watertown, . . | 257 38 | 1 75 | 29 05 | 288 18 |
| Wellesley, . . . | 560 52 | 84 21 | 50 54 | 695 27 |
| Weston, | 155 95 | 5 51 | 17 00 | 178 46 |
| Westwood, . . . | 112 52 | 18 00 | 10 12 | 140 64 |
| Weymouth, . . | 159 25 | 5 47 | 17 34 | 182 06 |
| Winchester, . . | 51 74* | 1,052 17 | 4 67 | 1,005 10 |
| Winthrop, . . . | 331 98 | 42 30 | 31 19 | 405 47 |
| | \$93,930 96 | \$27,615 27 | \$8,359 67 | \$127,952 03 |
| | 1,914 99* | 94 64* | 102 97* | 158 73* |

* Due the town.

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Interest.

| CITIES AND TOWNS. | Proportion Parks Interest. | Proportion Boulevard Interest. | Proportion Nantasket Interest. | Total Interest. |
|-------------------|----------------------------------|--------------------------------------|--------------------------------------|-----------------|
| Boston, . . . | \$191,496 77 | \$34,148 29 | \$15,691 89 | \$241,336 95 |
| Cambridge, . . . | 13,629 83 | 2,915 38 | 1,138 08 | 17,683 29 |
| Chelsea, . . . | 2,431 55 | 2,619 78 | 204 09 | 5,255 42 |
| Everett, . . . | 2,213 01 | 4,964 32 | 185 55 | 7,362 88 |
| Lynn, . . . | 6,688 26 | 1,220 47 | 558 77 | 8,467 50 |
| Malden, . . . | 1,888 52 | 2,589 93 | 162 64 | 4,641 09 |
| Medford, . . . | 758 57* | 6,588 92 | 55 35* | 5,775 00 |
| Melrose, . . . | 1,849 29 | 285 38 | 154 52 | 2,289 19 |
| Newton, . . . | 4,584 70 | 323 98 | 392 39 | 5,301 07 |
| Quincy, . . . | 2,606 41 | 2,110 00 | 218 32 | 4,934 73 |
| Somerville, . . . | 5,784 43 | 2,009 03 | 485 78 | 8,279 24 |
| Waltham, . . . | 2,402 26 | 339 57 | 201 64 | 2,943 47 |
| Woburn, . . . | 980 95 | 114 37 | 82 85 | 1,178 17 |
| Arlington, . . . | 510 26 | 8 30 | 44 35 | 562 91 |
| Belmont, . . . | 461 17 | 44 10 | 39 25 | 544 52 |
| Braintree, . . . | 446 91 | 52 33 | 37 64 | 536 88 |
| Brookline, . . . | 10,102 75 | 1,374 38 | 849 14 | 12,326 27 |
| Canton, . . . | 18 63* | 56 63* | 02* | 75 28* |
| Cohasset, . . . | — | — | 58 92* | 58 92* |
| Dedham, . . . | 900 28 | 91 74 | 75 83 | 1,067 85 |
| Dover, . . . | 32 20 | 5 57* | 2 92 | 29 55 |
| Hingham, . . . | 410 97 | 47 23 | 34 73 | 492 93 |
| Hull, . . . | 20 08 | 48 61* | 2 65 | 25 88* |
| Hyde Park, . . . | 1,148 24 | 384 94 | 96 80 | 1,629 98 |
| Milton, . . . | 1,494 50* | 3,983 66 | 114 07* | 2,375 09 |
| Nahant, . . . | 10 67 | 702 72 | 2 68 | 716 07 |
| Needham, . . . | 479 40 | 71 06 | 40 14 | 590 60 |
| Revere, . . . | 560 75* | 6,948 38 | 42 58* | 6,345 05 |
| Saugus, . . . | 466 45 | 69 05 | 38 96 | 574 46 |
| Stoneham, . . . | 402 97 | 40 27 | 34 24 | 477 48 |
| Swampscott, . . . | 1,650 94 | 294 93 | 136 98 | 2,082 85 |
| Wakefield, . . . | 1,109 47 | 185 99 | 92 65 | 1,388 11 |
| Watertown, . . . | 864 78 | 66 69 | 73 94 | 1,005 41 |
| Wellesley, . . . | 1,553 47 | 255 62 | 129 46 | 1,938 55 |
| Weston, . . . | 506 92 | 46 89 | 43 32 | 597 13 |
| Westwood, . . . | 308 32 | 53 07 | 25 94 | 387 33 |
| Weymouth, . . . | 517 13 | 47 33 | 44 19 | 608 65 |
| Winchester, . . . | 102 17 | 2,785 48 | 11 20 | 2,898 85 |
| Winthrop, . . . | 953 38 | 141 65 | 79 77 | 1,174 80 |
| | \$259,514 91 | \$77,925 23 | \$21,413 30 | \$355,799 32 |
| | 2,832 45* | 110 81* | 270 94* | 160 08* |

* Due the town.

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Maintenance.

| CITIES AND TOWNS. | Proportion Parks Maintenance. | Proportion Boulevard Main- tenance. | Proportion Nantasket Main- tenance. | Total Maintenance. |
|-------------------|-------------------------------------|---|---|-----------------------|
| Boston, . . . | \$236,987 94 | \$23,084 23 | \$18,479 59 | \$278,551 76 |
| Cambridge, . . . | 18,425 52 | 1,974 25 | 1,415 98 | 21,815 75 |
| Chelsea, . . . | 3,668 48 | 1,764 31 | 273 69 | 5,706 48 |
| Everett, . . . | 3,246 30 | 3,338 91 | 244 06 | 6,829 27 |
| Lynn, . . . | 9,170 50 | 828 04 | 701 90 | 10,700 44 |
| Malden, . . . | 3,933 27 | 1,747 11 | 273 68 | 5,954 06 |
| Medford, . . . | 1,181 78 | 4,433 93 | 45 20 | 5,660 91 |
| Melrose, . . . | 2,561 70 | 194 05 | 195 46 | 2,951 21 |
| Newton, . . . | 8,850 90 | 232 13 | 625 36 | 9,708 39 |
| Quincy, . . . | 3,733 40 | 1,421 38 | 282 52 | 5,437 30 |
| Somerville, . . . | 8,733 63 | 1,359 59 | 651 77 | 10,744 99 |
| Waltham, . . . | 3,540 41 | 231 89 | 266 02 | 4,038 32 |
| Woburn, . . . | 1,592 85 | 78 87 | 116 87 | 1,788 59 |
| Arlington, . . . | 1,170 04 | 7 83 | 79 97 | 1,257 84 |
| Belmont, . . . | 820 10 | 30 85 | 58 98 | 909 93 |
| Braintree, . . . | 733 20 | 36 11 | 53 55 | 822 86 |
| Brookline, . . . | 15,225 53 | 940 33 | 1,137 53 | 17,303 39 |
| Canton, . . . | 315 69 | 36 89* | 17 54 | 296 34 |
| Cohasset, . . . | — | — | 18 37* | 18 37* |
| Dedham, . . . | 1,550 86 | 63 83 | 111 75 | 1,726 44 |
| Dover, . . . | 112 58 | 3 45* | 7 23 | 116 36 |
| Hingham, . . . | 685 01 | 32 65 | 49 90 | 767 56 |
| Hull, . . . | 356 26 | 31 50* | 20 38 | 345 14 |
| Hyde Park, . . . | 1,791 30 | 260 77 | 132 77 | 2,184 84 |
| Milton, . . . | 907 06 | 2,685 15 | 9 37 | 3,601 58 |
| Nahant, . . . | 595 49 | 474 18 | 33 44 | 1,103 11 |
| Needham, . . . | 678 25 | 48 40 | 51 47 | 778 12 |
| Revere, . . . | 528 41 | 4,672 46 | 13 60 | 5,214 47 |
| Saugus, . . . | 667 35 | 47 05 | 50 41 | 764 81 |
| Stoneham, . . . | 692 04 | 28 02 | 50 17 | 770 23 |
| Swampscott, . . . | 2,034 25 | 199 35 | 160 27 | 2,393 87 |
| Wakefield, . . . | 1,451 97 | 126 06 | 112 77 | 1,690 80 |
| Watertown, . . . | 1,627 61 | 47 38 | 115 69 | 1,790 68 |
| Wellesley, . . . | 2,050 49 | 173 33 | 158 54 | 2,382 36 |
| Weston, . . . | 908 86 | 32 86 | 65 40 | 1,007 12 |
| Westwood, . . . | 395 61 | 35 93 | 31 11 | 462 65 |
| Weymouth, . . . | 925 78 | 33 18 | 66 65 | 1,025 61 |
| Winchester, . . . | 923 19 | 1,874 41 | 54 57 | 2,852 17 |
| Winthrop, . . . | 1,365 39 | 96 52 | 103 21 | 1,565 12 |
| | \$344,139 00 | \$52,635 34 | \$26,318 37 | \$423,020 87 |
| | — | 71 84* | 18 37* | 18 37* |

* Due the town.

CHARLES RIVER BASIN.

Chapter 465 of the Acts of 1903 authorized the building of a dam across Charles River at Craigie bridge by a special commission, the subsequent care by the Metropolitan Park Commission of the dam and basin so created, and the payment therefor by a special loan, to be known as the Charles River basin loan, by the Commonwealth, and apportioned, assessed and repaid in the manner provided for the park loan.

Bonds issued by the Commonwealth of Massachusetts for Account of Charles River Basin.

| DATE OF SALE. | Amount. | Rate of Interest (Per Cent.). | Price received. | Due Date. |
|----------------------|-----------|-------------------------------|-----------------|---------------|
| Jan. 15, 1904, . . . | \$250,000 | 3½ | 104.600 | Jan. 1, 1944. |
| Mar. 24, 1905, . . . | 80,000 | 3½ | 106.175 | Jan. 1, 1945. |
| Mar. 24, 1905, . . . | 320,000 | 3½ | 105.553 | Jan. 1, 1945. |
| June 28, 1906, . . . | 600,000 | 3½ | 103.090 | Jan. 1, 1946. |

No apportionment made as yet. See report of commissioners for reasons therefor.

STATEMENT III.

WELLINGTON BRIDGE.

The Wellington bridge assessment is made up as follows : —

Bonds issued in 1901.

The bridge was finished in 1903, at a cost of \$184,261.61.

One-half, viz., \$92,130.81, is to be paid by the district.*

Sinking fund requirement for 1906, \$1,517 14

4 years 6 months interest on \$92,130.81, at

3 per cent., \$12,437 66

Interest on advances (½), 12 71

\$12,450 37

Deduct accrued interest (½), . . \$122 84

Premium (½), 92 13

214 97

12,235 40

Maintenance, 1904, . . . \$2,661 00

Maintenance, 1905, . . . 2,661 00

Maintenance, 1906, . . . 3,325 00

\$8,647 00 one-half of which is 4,323 50

\$18,076 40

* One-half to be made a special assessment, see page 25.

Wellington Bridge Assessment, under Chapter 491, Acts of 1901.

| CITIES AND TOWNS. | Sinking Fund. | Interest. | Maintenance. | Total. |
|-----------------------|---------------|-------------|--------------|-------------|
| Boston, | \$944 22 | \$7,614 95 | \$2,690 82 | \$11,249 99 |
| Cambridge, | 82 00 | 661 32 | 233 68 | 977 00 |
| Chelsea, | 18 25 | 147 19 | 52 01 | 217 45 |
| Everett, | 15 73 | 126 88 | 44 83 | 187 44 |
| Lynn, | 41 46 | 334 39 | 118 16 | 494 01 |
| Malden, | 24 47 | 197 36 | 69 74 | 291 57 |
| Medford, | 16 40 | 132 27 | 46 74 | 195 41 |
| Melrose, | 11 71 | 94 46 | 33 38 | 139 55 |
| Newton, | 52 78 | 425 67 | 150 41 | 628 86 |
| Quincy, | 17 68 | 142 54 | 50 37 | 210 59 |
| Somerville, | 43 48 | 350 67 | 123 91 | 518 06 |
| Waltham, | 17 24 | 138 99 | 49 11 | 205 34 |
| Woburn, | 8 44 | 68 03 | 24 04 | 100 51 |
| Arlington, | 7 63 | 61 55 | 21 75 | 90 93 |
| Belmont, | 4 64 | 37 44 | 13 23 | 55 31 |
| Braintree, | 3 91 | 31 57 | 11 15 | 46 63 |
| Brookline, | 75 68 | 610 30 | 215 66 | 901 64 |
| Canton, | 3 13 | 25 21 | 8 91 | 37 25 |
| Dedham, | 8 59 | 69 25 | 24 47 | 102 31 |
| Dover, | 85 | 6 85 | 2 42 | 10 12 |
| Hingham, | 3 70 | 29 85 | 10 55 | 44 10 |
| Hull, | 3 25 | 26 18 | 9 25 | 38 68 |
| Hyde Park, | 9 18 | 74 02 | 26 16 | 109 36 |
| Milton, | 18 81 | 151 72 | 53 61 | 224 14 |
| Nahant, | 5 58 | 45 03 | 15 91 | 66 52 |
| Needham, | 3 17 | 25 57 | 9 04 | 37 78 |
| Revere, | 8 85 | 71 33 | 25 21 | 105 39 |
| Saugus, | 3 16 | 25 45 | 8 99 | 37 60 |
| Stoneham, | 3 82 | 30 83 | 10 90 | 45 55 |
| Swampscott, | 8 06 | 64 97 | 22 96 | 95 99 |
| Wakefield, | 6 22 | 50 17 | 17 73 | 74 12 |
| Watertown, | 9 56 | 77 08 | 27 24 | 113 88 |
| Wellesley, | 8 88 | 71 58 | 25 29 | 105 75 |
| Weston, | 5 17 | 41 72 | 14 74 | 61 63 |
| Westwood, | 1 65 | 13 34 | 4 71 | 19 70 |
| Weymouth, | 5 26 | 42 46 | 15 00 | 62 72 |
| Winchester, | 8 07 | 65 09 | 23 00 | 96 16 |
| Winthrop, | 6 46 | 52 12 | 18 42 | 77 00 |
| | \$1,517 14 | \$12,235 40 | \$4,323 50 | \$18,076 04 |

Special Assessment, One-fifth Each Year for Five Years.

| | Per cent. | | | | |
|-----------------------|-----------|-------------|-------------|------------|-------------|
| Somerville, | 12½ | \$4,606 54 | \$3,058 85 | \$1,080 87 | \$8,746 26 |
| Medford, | 19 | 7,001 95 | 4,649 45 | 1,642 93 | 13,294 33 |
| Malden,* | 14 | 5,159 32 | 3,425 91 | 1,210 58 | 9,795 81 |
| Stoneham, | 3½ | 1,289 83 | 856 48 | 302 65 | 2,448 96 |
| Reading, | 1 | 368 52 | 244 71 | 86 47 | 699 70 |
| | | \$18,426 16 | \$12,235 40 | \$4,323 50 | \$34,985 06 |

* Malden has paid the entire assessment for five years.

METROPOLITAN PARKS LOAN.

Through an error, assessments were previously collected from the cities and towns of the metropolitan park district on account of Wellington and Wellesley bridges. These are credited to the respective cities and towns this year in the following amounts : —

| | Sinking Fund. | Interest. |
|-----------------------|---------------|-------------|
| Boston, | \$4,558 31 | \$7,837 80 |
| Cambridge, | 501 32 | 862 00 |
| Chelsea, | 132 73 | 228 24 |
| Everett, | 110 32 | 189 67 |
| Lynn, | 260 64 | 448 17 |
| Malden, | 226 17 | 388 92 |
| Medford, | 222 72 | 382 95 |
| Melrose, | 75 01 | 129 00 |
| Newton, | 469 88 | 807 91 |
| Quincy, | 119 68 | 205 82 |
| Somerville, | 316 53 | 544 25 |
| Waltham, | 121 61 | 209 11 |
| Woburn, | 66 37 | 114 12 |
| Arlington, | 73 29 | 126 03 |
| Belmont, | 39 28 | 67 57 |
| Braintree, | 31 07 | 53 46 |
| Brookline, | 549 62 | 945 08 |
| Canton, | 38 03 | 65 38 |
| Dedham, | 71 02 | 122 10 |
| Dover, | 9 04 | 15 51 |
| Hingham, | 29 82 | 51 27 |
| Hull, | 38 12 | 65 53 |
| Hyde Park, | 69 39 | 119 29 |
| Milton, | 277 44 | 477 02 |
| Nahant, | 66 37 | 114 13 |
| Needham, | 21 05 | 36 21 |
| Revere, | 125 44 | 215 70 |
| Saugus, | 21 35 | 36 68 |
| Stoneham, | 31 54 | 54 25 |
| Swampscott, | 38 29 | 65 84 |
| Wakefield, | 35 38 | 60 82 |
| Watertown, | 83 88 | 144 22 |
| Wellesley, | 51 52 | 88 57 |
| Weston, | 44 03 | 75 70 |
| Westwood, | 8 94 | 15 36 |
| Weymouth, | 44 76 | 76 96 |
| Winchester, | 92 89 | 159 73 |
| Winthrop, | 43 74 | 75 24 |
| | \$9,116 59 | \$15,675 61 |

STATEMENT IV.

METROPOLITAN SEWERAGE LOAN.

The metropolitan sewerage loan comprises two systems of loans. The north system provides for sewerage works of cities and towns located generally north of the Charles River. The south system provides for sewerage works of cities and towns located generally south of the Charles River.

The total amount of bonds issued for both systems is \$14,027,912.

METROPOLITAN SEWERAGE LOAN.

North System.

| CITIES AND TOWNS. | Sinking Fund Requirement in 1906. | Cost of Maintenance. | Interest Requirements.* | Total Assessment. |
|-------------------|-----------------------------------|----------------------|-------------------------|-------------------|
| Arlington, . . . | \$1,214 69 | \$2,366 12 | \$4,462 70 | \$8,043 51 |
| Belmont, . . . | 738 04 | 1,067 08 | 2,711 52 | 4,516 64 |
| Boston, . . . | 8,431 05 | 22,385 39 | 30,975 29 | 61,791 73 |
| Cambridge, . . . | 13,054 03 | 23,881 62 | 47,959 92 | 84,895 57 |
| Chelsea, . . . | 2,906 02 | 9,139 74 | 10,676 59 | 22,722 35 |
| Everett, . . . | 2,501 13 | 7,133 17 | 9,189 02 | 18,823 32 |
| Lexington, . . . | 461 27 | 916 29 | 1,694 70 | 3,072 26 |
| Malden, . . . | 3,895 20 | 9,325 31 | 14,310 77 | 27,531 28 |
| Medford, . . . | 2,608 76 | 4,825 04 | 9,584 45 | 17,018 25 |
| Melrose, . . . | 1,865 59 | 3,502 79 | 6,854 11 | 12,222 49 |
| Revere, . . . | 1,409 45 | 3,108 44 | 5,178 24 | 9,696 13 |
| Somerville, . . . | 6,919 10 | 16,980 42 | 25,420 45 | 49,319 97 |
| Stoneham, . . . | 609 91 | 1,554 22 | 2,240 77 | 4,404 90 |
| Wakefield, . . . | 989 17 | 2,516 91 | 3,634 18 | 7,140 26 |
| Winchester, . . . | 1,281 31 | 2,018 17 | 4,707 49 | 8,006 97 |
| Winthrop, . . . | 1,025 05 | 1,728 20 | 3,765 99 | 6,519 24 |
| Woburn, . . . | 1,342 82 | 3,537 59 | 4,933 45 | 9,813 86 |
| | \$51,252 59 | \$115,986 50 | \$188,299 64 | \$355,538 73 |

* Includes \$1,474.64 interest on advances.

The metropolitan sewerage loan, north system, assessment, is made up as follows : —

| | |
|---|--------------|
| Sinking fund, | \$51,252 59 |
| One year's interest on \$6,095,000, | \$186,825 00 |
| Interest on advances, | 1,474 64 |
| | <hr/> |
| Maintenance, | 188,299 64 |
| | 115,986 50 |
| | <hr/> |
| Total, | \$355,538 73 |

METROPOLITAN SEWERAGE LOAN.

*North System.**Amounts provided for and to be provided for.*

| BONDS ISSUED. | Due Date. | Amount provided for. | Amount to be provided for. | This Year. |
|---------------|-----------|------------------------------|--|-----------------|
| \$5,330,000 | 1930 | $\frac{1}{8} + \frac{6}{60}$ | $\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 265,000 | 1930 | $\frac{42}{240}$ | $\frac{23}{240} + \frac{1}{3} + \frac{3}{8}$ | $\frac{7}{240}$ |
| 200,000 | 1930 | $\frac{21}{240}$ | $\frac{28}{240} + \frac{1}{3} + \frac{11}{240}$ | $\frac{7}{240}$ |
| 300,000 | 1943 | $\frac{3}{80}$ | $\frac{7}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |

METROPOLITAN SEWERAGE LOAN SINKING FUND.

The following is the method of finding the amount necessary for the sinking fund each year, in order to pay the debt at its maturity, the amount at present in the fund being increased by its earnings computed at 3 per cent. annually according to the table on page 35.

Under the law governing the assessment of the north and south sewer loans sinking fund, a certain fractional part of the whole loan must be provided for each year, and, consequently, the amount required for the sinking fund is found somewhat differently from the other loans, which are all figured the same as the water loan, on page 4.

For the north and south sewer loans find the amount of the present sinking fund at the maturity of the loan by multiplying the amount in the sinking fund January 1 by the amount of \$1 put at interest for the number of years the loan has to run, as taken from the table on page 35. Take from this the amount which has already been provided for, and the remainder will be the surplus. Take this surplus from the whole loan, and the fractional part (which is designated for each year) of this remainder will be the amount to be provided for this year. Divide this by the amount of \$1 for the time the loan has to run and the result will be the assessment for 1906.

For instance, to find the amount of the 1930 sinking fund at maturity, multiply \$675,926.68, the amount in the sinking fund Jan. 1, 1906, by 2.04347825, the amount of \$1 put at interest for twenty-four years at 3 per cent., as found in table on page 35, and the result will be \$1,381,241.47.

The law says that one eightieth of this loan shall be provided for in each of the first ten years, one sixtieth in each of the next ten years, one thirtieth in each of the next ten years and the remainder in the next ten years.

This loan has been running sixteen years, consequently there should be already in the sinking fund enough to amount at maturity to ten eightieths plus six sixtieths, or nine fortieths of the whole loan, viz., \$1,199,250.

Take this from what the Jan. 1, 1906, sinking fund actually does amount to at maturity, viz., \$1,381,241.47, and the balance, \$181,991.47, will be the surplus. Take this surplus from the whole loan and it leaves \$5,148,008.53, one sixtieth of which is to be provided for this year.

Divide one sixtieth of \$5,148,008.53, viz., \$85,800.14, by the amount of \$1 for twenty-three years, viz., 1.98352617, as found in table on page 35, and the result, \$43,256.37, will be the requirement for 1906.

METROPOLITAN SEWERAGE LOAN (NORTH SYSTEM) SINKING FUND.

| BONDS ISSUED AND AMOUNT PROVIDED FOR. | Due Date. | Sinking Fund Jan. 1, 1906. | Amount of 1906 Sinking Fund at Maturity of Loan Accu- mulations at 3 Per Cent. | Balance. | Proportion of Balance to be provided for this Year. | Sinking Fund Require- ments in 1906. |
|---|----------------|----------------------------------|---|----------------|--|--|
| \$5,330,000 (1,199,250) | 1930, Sunk, | \$675,926 68 | \$1,381,241 47 | \$5,148,008 53 | \$85,800 14 ($\frac{1}{60}$) | \$43,256 37 |
| 465,000 (63,875) | 1930, Sunk, | 35,245 38 | 72,023 17 | 456,851 83 | 13,324 84 ($\frac{7}{240}$) | 6,717 76 |
| 300,000 (11,250) | 1943, Sunk, | 4,148 29 | 12,484 07 | 298,765 93 | 3,734 57 ($\frac{1}{80}$) | 1,278 46 |
| \$6,095,000* (1,274,375) | - Sunk, | \$715,320 35 | \$1,465,748 71 | \$5,903,626 29 | \$102,859 55 | \$51,252 59 |

* \$55,000 additional issued after this year's assessments made.

Table showing the Proportions in which the Several Cities and Towns in the North Metropolitan System shall pay Money to meet the Interest and Sinking Fund Requirements under Chapter 369, Acts of 1906.

| CITIES AND TOWNS. | State Valuation. 1904. | Ratios in Per- centages. | CITIES AND TOWNS. | State Valuation. 1904. | Ratios in Per- centages. |
|-------------------|---------------------------|--------------------------------|-------------------|---------------------------|--------------------------------|
| Arlington, . | \$10,308,560 | 2.37 | Revere, . | \$11,950,017 | 2.75 |
| Belmont, . | 6,278,506 | 1.44 | Somerville, . | 58,777,146 | 13.50 |
| Boston,* . | 71,593,802 | 16.45 | Stoneham, . | 5,166,724 | 1.19 |
| Cambridge, . | 110,858,351 | 25.47 | Wakefield, . | 8,412,917 | 1.93 |
| Chelsea, . | 24,664,023 | 5.67 | Winchester, . | 10,901,591 | 2.50 |
| Everett, . | 21,264,833 | 4.88 | Winthrop, . | 8,725,731 | 2.00 |
| Lexington, . | 3,918,599† | 0.90 | Woburn, . | 11,405,100 | 2.62 |
| Malden, . | 33,087,338 | 7.60 | | | |
| Medford, . | 22,169,475 | 5.09 | | \$435,310,620 | 100.00 |
| Melrose, . | 15,827,907 | 3.64 | | | |

* Charlestown and East Boston.

† 59.85 per cent. of the town valuation derived from figures furnished by the clerk of the board of assessors.

Table showing the Proportions in which the Cities and Towns in the North Metropolitan System shall annually pay Money to meet the cost of Maintenance and Operation of Said System, under Chapter 369, Acts of 1906.

| CITIES AND TOWNS. | Population State Census 1905. | Ratios in Percentages. | CITIES AND TOWNS. | Population State Census 1905. | Ratios in Percentages. |
|-------------------|-------------------------------------|---------------------------|-------------------|-------------------------------------|---------------------------|
| Arlington, . | 9,668 | 2.04 | Revere, . | 12,659 | 2.68 |
| Belmont, . | 4,360 | 0.92 | Somerville, . | 69,272 | 14.64 |
| Boston,* . | 91,317 | 19.30 | Stoneham, . | 6,332 | 1.34 |
| Cambridge, . | 97,434 | 20.59 | Wakefield, . | 10,268 | 2.17 |
| Chelsea, . | 37,289 | 7.88 | Winchester, . | 8,242 | 1.74 |
| Everett, . | 29,111 | 6.15 | Winthrop, . | 7,034 | 1.49 |
| Lexington, . | 3,750† | 0.79 | Woburn, . | 14,402 | 3.05 |
| Malden, . | 38,037 | 8.04 | | | |
| Medford, . | 19,686 | 4.16 | | 473,156 | 100.00 |
| Melrose, . | 14,295 | 3.02 | | | |

* Charlestown and East Boston.

† Population of Lexington sewerage district certified by the clerk of the assessors.

STATEMENT V.
METROPOLITAN SEWERAGE LOAN.
South System.

| CITIES AND TOWNS. | Sinking Fund Requirement in 1906. | Cost of Maintenance. | Interest Requirement.* | Total Assessment. |
|-------------------|---|-------------------------|---------------------------|----------------------|
| Boston, . . . | \$18,656 96 | \$40,646 85 | \$105,260 03 | \$164,563 84 |
| Brookline, . . . | 10,140 46 | 6,754 09 | 57,211 12 | 74,105 67 |
| Dedham, . . . | 1,087 31 | 2,525 14 | 6,134 46 | 9,746 91 |
| Hyde Park, . . . | 1,231 98 | 4,491 08 | 6,950 64 | 12,673 70 |
| Milton, . . . | 2,519 95 | 2,228 06 | 14,217 21 | 18,965 22 |
| Newton, . . . | 7,074 52 | 11,384 96 | 39,913 51 | 58,372 99 |
| Quincy, . . . | 2,365 95 | 8,099 66 | 13,348 38 | 23,813 99 |
| Waltham, . . . | 2,309 95 | 7,959 86 | 13,032 45 | 23,302 26 |
| Watertown, . . . | 1,278 64 | 3,285 30 | 7,213 92 | 11,777 86 |
| | \$46,665 72 | \$87,375 00 | \$263,281 72 | \$397,322 44 |

* Includes \$5,629.36 interest on advances.

The metropolitan sewerage loan, south system, assessment, is made up as follows:—

| | |
|---|-------------------------------|
| Sinking fund, | \$46,665 72 |
| One year's interest on \$7,702,912, | \$257,652 36 |
| Interest on advances, | 5,629 36 |
| | 263,281 72 |
| Maintenance, | 87,375 00 |
| | Total, \$397,322 44 |

METROPOLITAN SEWERAGE LOAN.

*South System.**Amounts provided for and to be provided for.*

| DUE DATE. | Amount. | Amount provided for. | Amount to be pro- vided for. | This Year. |
|---------------|-------------|------------------------------|--|----------------|
| 1930, | \$800,000 | $\frac{1}{8} + \frac{6}{60}$ | $\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1935, | \$839,000 | $\frac{1}{8} + \frac{1}{60}$ | $\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1936, | \$65,000 | $\frac{1}{8}$ | $\frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1939, | \$14,000 | $\frac{3}{48}$ | $\frac{3}{48} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{48}$ |
| 1939, | 10,912 | $\frac{5}{64}$ | $\frac{3}{64} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{64}$ |
| 1939, | 1,000,000 | $\frac{6}{72}$ | $\frac{3}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| | \$1,024,912 | | | |
| 1940, | \$2,000,000 | $\frac{4}{64}$ | $\frac{4}{64} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{64}$ |
| 1940, | 1,586,000 | $\frac{3}{56}$ | $\frac{4}{56} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{56}$ |
| | \$3,586,000 | | | |
| 1943, | \$996,000 | $\frac{8}{80}$ | $\frac{7}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 1944, | \$392,000 | $\frac{1}{72}$ | $\frac{8}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |

METROPOLITAN SEWERAGE LOAN (SOUTH SYSTEM) SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Jan. 1, 1906. | Amount of 1906 Sinking Fund at Maturity of Loan, Accu- mulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Require- ments in 1906. |
|---|----------------|----------------------------------|---|----------------|---|--|
| \$800,000 (180,000) | 1930, Sunk, | \$99,105 12 | \$202,519 16 | \$777,480 84 | \$12,958 02 ($\frac{1}{60}$) | \$6,532 83 |
| 839,000 (118,858) | 1935, Sunk, | 56,093 37 | 133,027 67 | 824,830 33 | 13,747 17 ($\frac{1}{60}$) | 5,971 93 |
| 65,000 (8,125) | 1936, Sunk, | 3,678 87 | 8,988 29 | 64,139 71 | 1,068 99 ($\frac{1}{60}$) | 450 76 |
| 14,000 (875) | 1939, Sunk, | 356 70 | 952 93 | 13,922 07 | 290 04 ($\frac{1}{48}$) | 111 86 |
| 10,912 (852) | 1939, Sunk, | 353 10 | 943 31 | 10,820 69 | 169 07 ($\frac{1}{64}$) | 65 21 |
| 1,000,000 (83,334) | 1939, Sunk, | 34,714 55 | 92,740 69 | 990,593 31 | 13,758 24 ($\frac{1}{42}$) | 5,305 63 |
| 2,000,000 (125,000) | 1940, Sunk, | 50,023 49 | 137,678 10 | 1,987,321 90 | 31,051 90 ($\frac{1}{64}$) | 11,623 31 |
| 1,586,000 (84,963) | 1940, Sunk, | 33,790 99 | 93,001 89 | 1,577,961 19 | 28,177 87 ($\frac{1}{50}$) | 10,547 50 |
| 996,000 (37,350) | 1943, Sunk, | 13,532 51 | 40,725 41 | 992,624 59 | 12,407 81 ($\frac{1}{50}$) | 4,247 57 |
| 392,000 (5,444) | 1944, Sunk, | 1,755 90 | 5,444 01 | 392,000 00 | 5,444 44 ($\frac{1}{42}$) | 1,809 12 |
| \$7,702,912* (644,801) | Sunk, | \$293,404 60 | \$716,021 46 | \$7,631,694 63 | \$119,073 55 | \$46,665 72 |

* \$175,000 additional issued after this year's assessments made.

Table showing the Proportions in Percentages in which the Cities and Towns in the South Metropolitan System shall annually pay Money to meet the Cost of Maintenance, Operation, Interest and Sinking Fund Requirements.

| CITIES AND TOWNS. | Population. 1900. | Proportion for Maintenance and Operation (Per Cent.). | Valuation. | Proportion for Interest and Sinking Funds (Per Cent.). |
|--------------------|----------------------|--|---------------|---|
| Boston, | 119,921 | 46.52 | \$188,227,950 | 39.98 |
| Brookline, | 19,935 | 7.73 | 102,306,308 | 21.73 |
| Dedham, | 7,457 | 2.89 | 10,965,988 | 2.33 |
| Hyde Park, | 13,244 | 5.14 | 12,415,331 | 2.64 |
| Milton, | 6,578 | 2.55 | 25,435,822 | 5.40 |
| Newton, | 33,587 | 13.03 | 71,356,289 | 15.16 |
| Quincy, | 23,899 | 9.27 | 23,894,528 | 5.07 |
| Waltham, | 23,481 | 9.11 | 23,297,415 | 4.95 |
| Watertown, | 9,706 | 3.76 | 12,921,271 | 2.74 |
| | 257,808 | 100.00 | \$470,820,902 | 100.00 |

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1905 and 1906.

| CITIES AND TOWNS. | PARKS. | | SEWER. | |
|-------------------|--------------|------------------------|--------------|--------------|
| | 1905. | 1906. | 1905. | 1906. |
| Boston, . . . | \$360,279 74 | \$608,794 96 | \$254,745 53 | \$226,355 57 |
| Cambridge, . . . | 39,570 87 | 45,797 71 | 89,341 00 | 84,895 57 |
| Chelsea, . . . | 10,477 39 | 12,844 06 | 25,166 15 | 22,722 35 |
| Everett, . . . | 8,707 18 | 16,917 68 | 18,889 74 | 18,823 32 |
| Lynn, . . . | 20,573 41 | 22,158 82 | - | - |
| Malden, . . . | 17,853 06 | 12,116 87 | 29,709 46 | 27,531 28 |
| Medford, . . . | 17,579 63 | 13,384 04 | 18,421 41 | 17,018 25 |
| Melrose, . . . | 5,922 31 | 6,043 46 | 12,077 04 | 12,222 49 |
| Newton, . . . | 37,088 48 | 16,493 83 | 64,430 93 | 58,372 99 |
| Quincy, . . . | 9,448 59 | 12,147 74 | 28,960 81 | 23,813 99 |
| Somerville, . . . | 24,984 80 | 21,865 18 | 51,853 10 | 49,319 97 |
| Waltham, . . . | 9,599 48 | 7,982 50 | 28,376 89 | 23,302 26 |
| Woburn, . . . | 5,238 71 | 3,344 89 | 11,024 37 | 9,813 86 |
| Arlington, . . . | 5,785 37 | 1,948 73 | 8,320 12 | 8,043 51 |
| Belmont, . . . | 3,101 48 | 1,618 30 | 4,769 69 | 4,516 64 |
| Braintree, . . . | 2,454 07 | 1,530 99 | - | - |
| Brookline, . . . | 43,384 54 | 33,769 10 | 75,817 23 | 74,105 67 |
| Canton, . . . | 3,000 73 | 143 36 | - | - |
| Cohasset, . . . | 479 10 | 99 89* | - | - |
| Dedham, . . . | 5,605 92 | 3,123 25 | 11,237 48 | 9,746 91 |
| Dover, . . . | 712 64 | 146 06 | - | - |
| Hingham, . . . | 2,353 10 | 1,416 09 | - | - |
| Hull, . . . | 3,008 16 | 260 83 | - | - |
| Hyde Park, . . . | 5,476 18 | 4,365 17 | 15,556 83 | 12,673 70 |
| Lexington, . . . | - | - | 2,549 18 | 3,072 26 |
| Milton, . . . | 21,897 46 | 6,533 55 | 19,805 93 | 18,965 22 |
| Nahant, . . . | 5,238 71 | 2,012 06 | - | - |
| Needham, . . . | 1,662 04 | 1,573 76 | - | - |
| Revere, . . . | 9,901 71 | 13,853 63 | 12,693 48 | 9,696 13 |
| Saugus, . . . | 1,683 87 | 1,537 60 | - | - |
| Stoneham, . . . | 2,489 58 | 1,395 09 | 5,105 05 | 4,404 90 |
| Swampscott, . . . | 3,022 55 | 5,245 35 | - | - |
| Wakefield, . . . | 2,792 05 | 3,578 66 | 7,866 30 | 7,140 26 |
| Watertown, . . . | 6,620 33 | 3,084 27 | 13,757 56 | 11,777 86 |
| Wellesley, . . . | 4,065 98 | 5,016 18 | - | - |
| Weston, . . . | 3,475 44 | 1,782 71 | - | - |
| Westwood, . . . | 704 97 | 990 62 | - | - |
| Weymouth, . . . | 3,533 00 | 1,816 32 | - | - |
| Winchester, . . . | 7,332 98 | 6,756 12 | 7,944 84 | 8,006 97 |
| Winthrop, . . . | 3,453 85 | 3,145 39 | 6,159 96 | 6,519 24 |
| | \$720,559 46 | \$906,534 93 99 89* | \$824,580 08 | \$752,861 17 |

* Due the town.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 3 per cent. per annum, compounded semi-annually, amounts to the following in from 1 to 50 years, both inclusive : —

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 49.19242586.

| | | | | | |
|----------------------------|---|-------------|----------------------------|---|-------------|
| \$1 for 1 year | = | 1.03022500 | \$1 each year for 19 years | = | 25.93195699 |
| \$1 in 2 years | = | 1.06136355 | \$1 in 20 years | = | 1.81401838 |
| \$1 each year for 2 years | = | 2.09158855 | \$1 each year for 20 years | = | 27.74597537 |
| \$1 in 3 years | = | 1.09344326 | \$1 in 21 years | = | 1.86884708 |
| \$1 each year for 3 years | = | 3.18503181 | \$1 each year for 21 years | = | 29.61482245 |
| \$1 in 4 years | = | 1.12649258 | \$1 in 22 years | = | 1.92533299 |
| \$1 each year for 4 years | = | 4.31152439 | \$1 each year for 22 years | = | 31.54015544 |
| \$1 in 5 years | = | 1.16054082 | \$1 in 23 years | = | 1.98352617 |
| \$1 each year for 5 years | = | 5.47206521 | \$1 each year for 23 years | = | 33.52368161 |
| \$1 in 6 years | = | 1.19561816 | \$1 in 24 years | = | 2.04347825 |
| \$1 each year for 6 years | = | 6.66768337 | \$1 each year for 24 years | = | 35.56715986 |
| \$1 in 7 years | = | 1.23175572 | \$1 in 25 years | = | 2.10524238 |
| \$1 each year for 7 years | = | 7.89943909 | \$1 each year for 25 years | = | 37.67240224 |
| \$1 in 8 years | = | 1.26898553 | \$1 in 26 years | = | 2.16887333 |
| \$1 each year for 8 years | = | 9.16842462 | \$1 each year for 26 years | = | 39.84127557 |
| \$1 in 9 years | = | 1.30734062 | \$1 in 27 years | = | 2.23442753 |
| \$1 each year for 9 years | = | 10.47576524 | \$1 each year for 27 years | = | 42.07570310 |
| \$1 in 10 years | = | 1.34685499 | \$1 in 28 years | = | 2.30196310 |
| \$1 each year for 10 years | = | 11.82262023 | \$1 each year for 28 years | = | 44.37766620 |
| \$1 in 11 years | = | 1.38756368 | \$1 in 29 years | = | 2.37153993 |
| \$1 each year for 11 years | = | 13.21018391 | \$1 each year for 29 years | = | 46.74920613 |
| \$1 in 12 years | = | 1.42950279 | \$1 in 30 years | = | 2.44321973 |
| \$1 each year for 12 years | = | 14.63968670 | \$1 each year for 30 years | = | 49.19242586 |
| \$1 in 13 years | = | 1.47270952 | \$1 in 31 years | = | 2.51706605 |
| \$1 each year for 13 years | = | 16.11239622 | \$1 each year for 31 years | = | 51.70949191 |
| \$1 in 14 years | = | 1.51722216 | \$1 in 32 years | = | 2.59314437 |
| \$1 each year for 14 years | = | 17.62961838 | \$1 each year for 32 years | = | 54.30263628 |
| \$1 in 15 years | = | 1.56308020 | \$1 in 33 years | = | 2.67152215 |
| \$1 each year for 15 years | = | 19.19269858 | \$1 each year for 33 years | = | 56.97415843 |
| \$1 in 16 years | = | 1.61032430 | \$1 in 34 years | = | 2.75226890 |
| \$1 each year for 16 years | = | 20.80302288 | \$1 each year for 34 years | = | 59.72642733 |
| \$1 in 17 years | = | 1.65899635 | \$1 in 35 years | = | 2.83545622 |
| \$1 each year for 17 years | = | 22.46201923 | \$1 each year for 35 years | = | 62.56188355 |
| \$1 in 18 years | = | 1.70913951 | \$1 in 36 years | = | 2.92115788 |
| \$1 each year for 18 years | = | 24.17115874 | \$1 each year for 36 years | = | 65.48304143 |
| \$1 in 19 years | = | 1.76079825 | \$1 in 37 years | = | 3.00944986 |
| \$1 each year for 19 years | = | 25.93195699 | \$1 each year for 37 years | = | 68.49249129 |

SINKING FUND TABLE — *Concluded.*

| | | | |
|------------------------------|-------------|------------------------------|--------------|
| \$1 each year for 37 years = | 68.49249129 | \$1 each year for 44 years = | 92.26545692 |
| \$1 in 38 years = | 3.10041047 | \$1 in 45 years = | 3.81894828 |
| \$1 each year for 38 years = | 71.59290176 | \$1 each year for 45 years = | 96.08440520 |
| \$1 in 39 years = | 3.19412036 | \$1 in 46 years = | 3.93437598 |
| \$1 each year for 39 years = | 74.78702212 | \$1 each year for 46 years = | 100.01878118 |
| \$1 in 40 years = | 3.29066264 | \$1 in 47 years = | 4.05329248 |
| \$1 each year for 40 years = | 78.07768476 | \$1 each year for 47 years = | 104.07207366 |
| \$1 in 41 years = | 3.39012290 | \$1 in 48 years = | 4.17580323 |
| \$1 each year for 41 years = | 81.46780766 | \$1 each year for 48 years = | 108.24787689 |
| \$1 in 42 years = | 3.49258936 | \$1 in 49 years = | 4.30201689 |
| \$1 each year for 42 years = | 84.96039702 | \$1 each year for 49 years = | 112.54989378 |
| \$1 in 43 years = | 3.59815287 | \$1 in 50 years = | 4.43204535 |
| \$1 each year for 43 years = | 88.55854989 | \$1 each year for 50 years = | 116.98193913 |
| \$1 in 44 years = | 3.70690703 | | |
| \$1 each year for 44 years = | 92.26545692 | | |

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STATE LIBRARY OF MASSACHUSETTS,
Commonwealth of Massachusetts.
STATE HOUSE, BOSTON.

ASSESSMENTS
FOR
INTEREST, SINKING FUNDS
AND MAINTENANCE
OF THE
METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 Post Office Square.

1907.

C.

Commonwealth of Massachusetts.

TREASURY DEPARTMENT, July 1, 1907.

This statement, showing the computations for the annual assessments of 1907, to be paid by the cities and towns comprising the metropolitan districts for the requirements of the sinking funds, interest and maintenance of the water, parks and sewer systems, is sent to each city and town in order that each one may compute its assessment and be assured that the amount levied is correct.

As the assessments by the State on the metropolitan districts are to cover a period of over forty years, it was deemed wise to have the books examined, to make sure that no errors had occurred in the accounting between the State and the districts up to the present time.

Mr. Edward H. Fenton, the Brookline town accountant, who is thoroughly familiar with the many complications and changes which have taken place in the laws since the metropolitan districts were established, after a careful examination of all the accounts in this department relating thereto, has made a report, which is now on file in this department.

In compliance with his report and recommendations it has been necessary to make certain adjustments which appear in the various accounts.

The assessments for 1907 show a decrease in the aggregate, over 1906, of \$11,313.83, due to the adjustment between the State and districts.

The water assessments show a decrease of \$67,250.49, while the parks assessments show an increase of \$34,489.22 and the sewer an increase of \$21,447.44.

ARTHUR B. CHAPIN,

Treasurer and Receiver-General.

Total Assessments of the Metropolitan Districts for 1907.

| CITIES AND TOWNS. | Metropolitan Water. | Metropolitan Parks, including Boulevards, Nantasket, Wellington Bridge and Wellesley Bridge. | Metropolitan Sewer, North and South Systems. | Total. |
|-------------------|------------------------|---|---|----------------|
| Arlington, . . | \$14,738 41 | \$4,682 75 | \$6,101 25 ^N | \$25,522 41 |
| Belmont, . . | 6,026 81 | 2 848 91 | 3,408 53 ^N | 12,284 25 |
| Boston, . . | 1,726,588 68 | 579,316 57 | 47,151 90 ^N 207,194 36 ^S | 2,560,251 51 |
| Braintree, . . | - | 2,402 10 | - | 2,402 10 |
| Brookline, . . | - | 46,422 53 | 97,178 00 ^S | 143,600 53 |
| Cambridge, . . | - | 51,181 40 | 64,323 01 ^N | 115,504 41 |
| Canton, . . | - | 1,916 73 | - | 1,916 73 |
| Chelsea, . . | 58,058 80 | 13,940 08 | 17,399 54 ^N | 89,398 42 |
| Cohasset, . . | - | 159 32 | - | 159 32 |
| Dedham, . . | - | 5,266 58 | 12,232 39 ^S | 17,498 97 |
| Dover, . . | - | 521 29 | - | 521 29 |
| Everett, . . | 41,044 26 | 15,223 73 | 14,384 62 ^N | 70,652 61 |
| Hingham, . . | - | 2,272 65 | - | 2,272 65 |
| Hull, . . | - | 1,990 78 | - | 1,990 78 |
| Hyde Park, . . | 1,194 73 | 5,916 23 | 15,500 29 ^S | 22,611 25 |
| Lexington, . . | 6,987 53 | - | 2,331 25 ^N | 9,318 78 |
| Lynn, . . | - | 25,638 40 | - | 25,638 40 |
| Malden, . . | 40,082 71 | 18,477 44 | 20,965 22 ^N | 79,525 37 |
| Medford, . . | 35,126 98 | 27,406 38 | 12,896 77 ^N | 75,430 13 |
| Melrose, . . | 26,971 19 | 7,183 32 | 9,264 95 ^N | 43,419 46 |
| Milton, . . | 14,532 00 | 17,147 73 | 24,702 32 | 56,382 05 |
| Nahant, . . | 4,204 56 | 4,373 07 | - | 8,577 63 |
| Needham, . . | - | 1,943 79 | - | 1,943 79 |
| Newton, . . | 6,026 82 | 33,963 61 | 74,512 24 ^S | 114,502 67 |
| Quincy, . . | 50,027 14 | 12,910 28 | 29,239 00 ^S | 92,176 42 |
| Reading, . . | - | 467 97 | - | 467 97 |
| Revere, . . | 19,633 70 | 14,100 93 | 7,371 92 ^N | 41,106 55 |
| Saugus, . . | - | 1,935 78 | - | 1,935 78 |
| Somerville, . . | 106,334 61 | 33,990 66 | 37,575 77 ^N | 177,901 04 |
| Stoneham, . . | 7,734 91 | 3,981 56 | 3,358 50 ^N | 15,074 97 |
| Swampscott, . . | - | 4,941 66 | - | 4,941 66 |
| Wakefield, . . | - | 3,817 03 | 5,443 92 ^N | 9,260 95 |
| Waltham, . . | - | 10,573 02 | 28,599 18 ^S | 39,172 20 |
| Watertown, . . | 15,468 18 | 5,862 77 | 14,702 71 ^S | 36,033 66 |
| Wellesley, . . | - | 6,234 64 | - | 6,234 64 |
| Weston, . . | - | 3,174 29 | - | 3,174 29 |
| Westwood, . . | - | 1,015 09 | - | 1,015 09 |
| Weymouth, . . | - | 3,229 27 | - | 3,229 27 |
| Winchester, . . | - | 8,416 45 | 6,051 02 ^N | 14,467 47 |
| Winthrop, . . | 14,624 69 | 3,965 52 | 4,932 39 ^N | 23,522 60 |
| Woburn, . . | - | 5,173 05 | 7,487 56 ^N | 12,660 61 |
| | \$2,195,406 71 | \$993,985 36 | \$774,308 61 | \$3,963,700 68 |

N, North system.

S, South system.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1907.

The gross metropolitan water debt, April 1, 1907, was . . . \$40,500,000 00
 an increase for the year of \$720,000.

The sinking funds established for payment of same April 1, 1907,
 amounted to 4,958,948 28
 an increase for the year of \$725,479.94.

The net metropolitan water debt, April 1, 1907, was . . . \$35,541,051 72
 a decrease for the year of \$5,479.94.

Total Metropolitan Water Assessment for 1907.

Estimated cost of maintenance for 1907 as approved by the
 Metropolitan Water Board, \$440,000 00
 Balance on hand Nov. 15, 1906, by State Treasurer's report
 to be deducted, 50,199 32

Amount to be assessed for maintenance, \$389,800 68

Interest:—

Six months on \$40,193,000, \$676,127 50
 Six months on \$40,500,000, 681,500 00

Accrued interest to be deducted, \$1,357,627 50
 208 93

Adjustment, \$1,357,418 57
 75,509 80

Sinking fund requirements (see page 4), 1,281,908 77
 523,697 26

Total assessment for 1907, \$2,195,406 71

METROPOLITAN WATER LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Dec. 1, 1906. | Amount of 1907 Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be sunk. | Sinking Fund Requirements in 1907. |
|------------------|-------------|-------------------------------|---|------------------------|---|
| \$13,000,000 | July, 1935, | \$2,448,131 42 | \$5,720,040 82 | \$7,279,959 18 | \$166,506 25 |
| 4,000,000 | Jan. 1938, | 594,227 65 | 1,495,710 24 | 2,504,289 76 | 49,893 78 |
| 4,000,000 | July, 1939, | 449,836 89 | 1,183,989 38 | 2,816,010 62 | 52,635 59 |
| 10,000,000 | Jan. 1941, | 834,573 22 | 2,296,969 92 | 7,703,030 08 | 132,870 07 |
| 3,500,000 | Jan. 1942, | 265,701 75 | 753,385 68 | 2,746,614 32 | 45,229 31 |
| 2,000,000 | Jan. 1943, | 110,854 06 | 323,822 21 | 1,676,177 79 | 26,370 81 |
| 2,000,000 | Jan. 1944, | 85,352 21 | 256,863 20 | 1,743,136 80 | 26,219 27 |
| 650,000 | Jan. 1945, | 53,999 46 | 167,420 49 | 482,573 51 | 6,944 35 |
| 630,000 | Jan. 1946, | { 8,312 77 } | 113,900 00 | 1,236,100 00 | 17,027 83 |
| 720,000 | | { 27,346 50 } | | | |
| \$40,500,000 | — | \$4,878,335 93 | \$12,312,101 94 | \$28,187,898 06 | \$523,697 26 |

Computations for determining the Assessment for 1907. (See Chap. 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based on the ratio of its valuation of property to its consumption of water, with double weight being given to consumption. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each town's assessment, multiply the total assessment by the average ratio.]

| CITIES AND TOWNS. | Valuation, 1906. | Average Daily Con- sumption (Gallons). 1906. | RATIO OF TOTAL. | | Average Ratio, Double Weight to Consumption. |
|-------------------------|---------------------|--|-----------------|--------------|---|
| | | | Valuation. | Consumption. | |
| Boston, . | \$1,289,705,887 | 90,951,800 | .805059952 | .777152593 | .786455046 |
| Chelsea, . | 25,966,425 | 3,694,000 | .016208756 | .031563990 | .026445579 |
| Everett, . | 23,006,700 | 2,441,600 | .014361238 | .020862652 | .018695514 |
| Malden, . | 32,988,750 | 2,000,100 | .020592230 | .017090183 | .018257532 |
| Medford, . | 21,756,800 | 2,014,100 | .013581025 | .017209808 | .016000214 |
| Melrose, . | 15,477,880 | 1,591,300 | .009661599 | .013597124 | .012285282 |
| Newton, ¹ | 13,193,408 | — | .008235587 | — | .002745196 |
| Quincy, . | 26,787,085 | 3,021,800 | .016721029 | .025820266 | .022787187 |
| Somerville, . | 60,275,660 | 6,301,000 | .037625261 | .053839929 | .048435040 |
| Arlington, . | 10,340,490 | 800,800 | .006454739 | .006842567 | .006713291 |
| Belmont, . | 5,722,165 | 272,900 | .003571889 | .002331839 | .002745189 |
| Hyde Park, ¹ | 2,615,405 | — | .001632588 | — | .000544196 |
| Lexington, . | 6,125,180 | 335,000 | .003823459 | .002862463 | .003182795 |
| Milton, . | 22,222,040 | 350,300 | .013871437 | .002993196 | .006619276 |
| Nahant, . | 5,593,226 | 131,900 | .003491402 | .001127041 | .001915161 |
| Revere, . | 13,051,800 | 1,093,200 | .008147192 | .009341027 | .008943082 |
| Stoneham, . | 4,853,830 | 441,200 | .003029857 | .003769906 | .003523223 |
| Watertown, . | 12,745,677 | 771,300 | .007956104 | .006590500 | .007045701 |
| Winthrop, . | 9,571,397 | 819,800 | .005974656 | .007004916 | .006661496 |
| | \$1,601,999,805 | 117,032,100 | 1.000000000 | 1.000000000 | 1.000000000 |

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present these towns have a sufficient supply, and have not made application for water.

METROPOLITAN WATER LOAN.

*Division of the Assessment for 1907 into Cost of Maintenance,
Interest and Sinking Fund Requirements.*

| CITIES AND TOWNS. | Sinking Fund Requirements. | Interest Requirements. | Cost of Maintenance. | Total Assessment. |
|-------------------|-------------------------------|---------------------------|-------------------------|----------------------|
| Boston, . . . | \$411,864 35 | \$1,008,163 62 | \$306,560 71 | \$1,726,588 68 |
| Chelsea, . . . | 13,849 48 | 33,900 82 | 10,308 50 | 58,058 80 |
| Everett, . . . | 9,790 79 | 23,965 94 | 7,287 53 | 41,044 26 |
| Malden, . . . | 9,561 42 | 23,404 49 | 7,116 80 | 40,082 71 |
| Medford, . . . | 8,379 27 | 20,510 82 | 6,236 89 | 35,126 98 |
| Melrose, . . . | 6,433 77 | 15,748 61 | 4,788 81 | 26,971 19 |
| Newton, . . . | 1,437 65 | 3,519 09 | 1,070 08 | 6,026 82 |
| Quincy, . . . | 11,933 59 | 29,211 10 | 8,882 45 | 50,027 14 |
| Somerville, . . | 25,365 30 | 62,089 30 | 18,880 01 | 106,334 61 |
| Arlington, . . | 3,515 73 | 8,605 83 | 2,616 85 | 14,738 41 |
| Belmont, . . . | 1,437 65 | 3,519 08 | 1,070 08 | 6,026 81 |
| Hyde Park, . . | 284 99 | 697 61 | 212 13 | 1,194 73 |
| Lexington, . . | 1,666 82 | 4,080 05 | 1,240 66 | 6,987 53 |
| Milton, . . . | 3,466 49 | 8,485 31 | 2,580 20 | 14,532 00 |
| Nahant, . . . | 1,002 97 | 2,455 06 | 746 53 | 4,204 56 |
| Revere, . . . | 4,683 47 | 11,464 21 | 3,486 02 | 19,633 70 |
| Stoneham, . . | 1,845 10 | 4,516 45 | 1,373 36 | 7,734 91 |
| Watertown, . . | 3,689 81 | 9,031 95 | 2,746 42 | 15,468 18 |
| Winthrop, . . | 3,488 61 | 8,539 43 | 2,596 65 | 14,624 69 |
| | \$523,697 26 | \$1,281,908 77 | \$389,800 68 | \$2,195,406 71 |

*Comparison of Total Assessments, 1906 and 1907, with Revenue
from Water Rates in 1906.*

| CITIES AND TOWNS. | WATER ASSESSMENTS. | | Water Revenue received by Cities and Towns. 1906. |
|-----------------------|--------------------|----------------|--|
| | 1906. | 1907. | |
| Boston, | \$1,822,556 33 | \$1,726,588 68 | \$2,471,726 19 ¹ |
| Chelsea, | 57,687 81 | 58,058 80 | 130,605 41 ¹ |
| Everett, | 39,583 12 | 41,044 26 | 89,827 87 |
| Malden, | 38,087 38 | 40,082 71 | 112,083 01 ¹ |
| Medford, | 31,653 25 | 35,126 98 | 64,572 78 |
| Melrose, | 25,230 09 | 26,971 19 | 50,985 63 ¹ |
| Newton, | 6,234 22 | 6,026 82 | - ² |
| Quincy, | 46,314 16 | 50,027 14 | 105,053 50 ¹ |
| Somerville, | 97,160 08 | 106,334 61 | 234,300 45 ¹ |
| Arlington, | 13,663 68 | 14,738 41 | 45,976 49 |
| Belmont, | 5,668 67 | 6,026 81 | 14,824 29 ¹ |
| Hyde Park, | 1,242 52 | 1,194 73 | - ² |
| Lexington, | 6,205 30 | 6,987 53 | 21,672 36 |
| Milton, | 14,070 41 | 14,532 00 | 52,597 46 |
| Nahant, | 4,187 88 | 4,204 56 | 8,240 70 |
| Revere, | 16,894 21 | 19,633 70 | 53,927 43 |
| Stoneham, | 8,088 06 | 7,734 91 | 23,400 24 |
| Watertown, | 14,778 34 | 15,468 18 | 43,896 03 ¹ |
| Winthrop, | 13,351 69 | 14,624 69 | 44,494 99 |
| | \$2,262,657 20 | \$2,195,406 71 | \$3,568,184 83 |

¹ No money received for hydrant rentals or water used for street watering and other municipal purposes.

² Not taking water from the district.

Net Water Debt of Cities of the Original Metropolitan Water District.

| CITIES. | 1895. | 1906. | 1907. | CHANGE OF PAST YEAR. | |
|-----------------------|-----------------|----------------|-------------------------|----------------------|--------------|
| | | | | Increase. | Reduction. |
| Boston, | \$9,316,500 43 | \$728,027 61 | \$864,586 47 | \$136,558 86 | - |
| Somerville, | 340,500 00 | 102,000 00 | 86,000 00 | - | \$16,000 00 |
| Chelsea, | 282,577 00 | 198,783 00 | 189,176 00 | - | 9,607 00 |
| Everett, | 162,957 76 | 107,602 82 | 104,304 53 | - | 3,298 29 |
| Malden, | 515,738 30 | 333,293 93 | 128,951 09 | - | 204,342 84 |
| Medford, | 324,084 00 | 134,520 33 | -17,294 96 ¹ | - | 151,815 29 |
| Melrose, | 236,957 50 | 101,553 41 | 40,986 08 | - | 60,567 33 |
| | \$11,179,314 99 | \$1,705,781 10 | \$1,396,709 21 | \$136,558 86 | \$445,630 75 |

¹ Amount in sinking fund in excess of outstanding debt.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

The gross metropolitan parks debt, April 1, 1907, was . . . \$8,990,000 00

an increase for the year of \$516,000.

The sinking funds established for payment of same, April 1, 1907,
amounted to 1,283,070 30

an increase for the year of \$190,894.16.

The net metropolitan parks debt, April 1, 1907, was . . . \$7,706,929 70

an increase for the year of \$325,105.84.

BOULEVARDS.

The gross metropolitan parks, series two, debt (boulevards) (one-
half), April 1, 1907, was \$2,392,500 00

an increase for the year of \$150,000.

The sinking funds established for payment of same, April 1, 1907,
amounted to 322,136 42

an increase for the year of \$46,621.29.

The net metropolitan parks, series two (boulevards) debt, April 1,
1907, was \$2,070,363 58

an increase for the year of \$103,378.71.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1907 is made up as follows: —

| | | | |
|--|--------------|--------------|--------------|
| Parks, sinking fund, | \$106,680 38 | | |
| Parks, series two, sinking fund, | 29,200 00 | | |
| Nantasket, sinking fund, | 8,097 83 | | |
| | | <hr/> | \$143,978 21 |
| Parks, interest: — | | | |
| Six months on \$8,289,000 00 = | \$142,020 00 | | |
| Six months on 8,290,000 00 = | 142,037 50 | | |
| | <hr/> | | |
| | \$284,057 50 | | |
| Accrued interest, | 68 | | |
| | <hr/> | | |
| | \$284,056 82 | | |
| One-half interest on Wellington bridge, | 12,235 40 | | |
| | <hr/> | | |
| | \$296,292 22 | | |
| Adjustment, | 78,257 75 | | |
| | <hr/> | | |
| | | \$374,549 97 | |
| Parks, series two, interest: — | | | |
| One year on \$2,392,500 00 = | \$81,675 00 | | |
| Adjustment, | 10,394 32 | | |
| | <hr/> | | |
| | | 92,069 32 | |
| Nantasket, interest: — | | | |
| One year on \$700,000 00 = | | 21,000 00 | |
| Total interest, | | <hr/> | 487,619 29 |
| Parks, maintenance, | \$319,011 68 | | |
| Band concerts, | 25,000 00 | | |
| Expense of commission (chapter 108, Resolves of 1907), | 25,000 00 | | |
| | <hr/> | | |
| | \$369,011 68 | | |
| One-half Wellington bridge, | 1,139 09 | | |
| | <hr/> | | |
| | \$370,150 77 | | |
| Adjustment, | 94,299 85 | | |
| | <hr/> | | |
| | | \$275,850 92 | |
| Parks, series two, maintenance, | \$66,683 83 | | |
| Adjustment, | 14,266 54 | | |
| | <hr/> | | |
| | | 52,417 29 | |
| Nantasket, maintenance, | \$21,900 00 | | |
| Adjustment, | 7,467 90 | | |
| | <hr/> | | |
| | | 14,432 10 | |
| | | <hr/> | 342,700 31 |
| | | | <hr/> |
| | | | \$974,297 81 |

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

| CITIES AND TOWNS. | Total Sinking Fund. | Total Interest. | Total Maintenance, including \$25,000 for Band Concerts and \$25,000 Expense of Commission (Chapter 108, Resolves of 1907). | Grand Total: |
|-------------------|---------------------|-----------------|---|---------------------------|
| Boston, . . . | \$85,057 12 | \$289,141 65 | \$205,117 80 | \$579,316 57 |
| Cambridge, . . . | 7,533 16 | 25,572 01 | 18,076 23 | 51,181 40 |
| Chelsea, . . . | 2,105 11 | 7,042 58 | 4,792 39 | 13,940 08 |
| Everett, . . . | 2,353 84 | 7,770 89 | 5,099 00 | 15,223 73 |
| Lynn, . . . | 3,768 55 | 12,802 50 | 9,067 35 | 25,638 40 |
| Malden, . . . | 2,708 19 | 9,082 11 | 6,220 37 | 18,010 67 |
| Medford, . . . | 2,898 41 | 9,502 75 | 6,113 63 | 18,514 79 |
| Melrose, . . . | 1,054 62 | 3,585 18 | 2,543 52 | 7,183 32 |
| Newton, . . . | 4,754 28 | 16,161 67 | 11,465 30 | 32,381 25 |
| Quincy, . . . | 1,939 54 | 6,507 63 | 4,463 11 | 12,910 28 |
| Somerville, . . . | 4,162 90 | 14,090 71 | 9,887 30 | 28,140 91 |
| Waltham, . . . | 1,552 34 | 5,277 04 | 3,743 64 | 10,573 02 |
| Woburn, . . . | 759 47 | 2,581 85 | 1,831 73 | 5,173 05 |
| Arlington, . . . | 687 55 | 2,337 22 | 1,657 98 | 4,682 75 |
| Belmont, . . . | 418 30 | 1,421 93 | 1,008 68 | 2,848 91 |
| Braintree, . . . | 352 70 | 1,198 92 | 850 48 | 2,402 10 |
| Brookline, . . . | 6,815 76 | 23,169 64 | 16,437 13 | 46,422 53 |
| Canton, . . . | 281 41 | 956 62 | 678 70 | 1,916 73 |
| Cohasset, . . . | 29 64 | 76 86 | 52 82 | 159 32 |
| Dedham, . . . | 773 21 | 2,628 55 | 1,864 82 | 5,266 58 |
| Dover, . . . | 76 53 | 260 18 | 184 58 | 521 29 |
| Hingham, . . . | 333 71 | 1,134 34 | 804 60 | 2,272 65 |
| Hull, . . . | 292 27 | 993 58 | 704 93 | 1,990 78 |
| Hyde Park, . . . | 874 71 | 2,961 65 | 2,079 87 | 5,916 23 |
| Milton, . . . | 2,637 07 | 8,732 22 | 5,778 44 | 17,147 73 |
| Nahant, . . . | 662 24 | 2,212 01 | 1,498 82 | 4,373 07 |
| Needham, . . . | 285 35 | 970 12 | 688 32 | 1,943 79 |
| Revere, . . . | 2,255 06 | 7,306 64 | 4,539 23 | 14,100 93 |
| Saugus, . . . | 284 21 | 966 16 | 685 41 | 1,935 78 |
| Stoneham, . . . | 344 06 | 1,169 67 | 829 90 | 2,343 63 |
| Swampscott, . . . | 725 53 | 2,466 39 | 1,749 74 | 4,941 66 |
| Wakefield, . . . | 560 45 | 1,905 11 | 1,351 47 | 3,817 03 |
| Watertown, . . . | 860 76 | 2,926 11 | 2,075 90 | 5,862 77 |
| Wellesley, . . . | 799 19 | 2,716 81 | 1,927 46 | 5,443 46 |
| Weston, . . . | 466 06 | 1,584 32 | 1,123 91 | 3,174 29 |
| Westwood, . . . | 149 05 | 506 65 | 359 39 | 1,015 09 |
| Weymouth, . . . | 474 12 | 1,611 73 | 1,143 42 | 3,229 27 |
| Winchester, . . . | 1,309 51 | 4,308 05 | 2,798 89 | 8,416 45 |
| Winthrop, . . . | 582 23 | 1,979 24 | 1,404 05 | 3,965 52 |
| | \$143,978 21 | \$487,619 29 | \$342,700 31 | \$974,297 81 ¹ |

¹ Exclusive of special assessments for Wellington and Wellesley Bridges which are included on page 2.

METROPOLITAN PARKS.

The total amount of bonds issued for the metropolitan parks is \$14,232,500, including one-half of those for the boulevards, also called series two, and those for the improvement of the Charles River basin, including also \$185,317.42 for Wellington bridge and \$16,000 for Newton and Wellesley bridge.

Proportions to be paid Annually as found by Commissioners.

| | Parks. 1905-1909. | Boulevard. 1905-1909. | Nantasket. 1905-1909. |
|-----------------------|----------------------|--------------------------|--------------------------|
| Boston, | .62237 | .46716 | .62009 |
| Cambridge, | .05405 | .04558 | .05386 |
| Chelsea, | .01203 | .02482 | .01198 |
| Everett, | .01037 | .03986 | .01033 |
| Lynn, | .02733 | .02166 | .02723 |
| Malden, | .01613 | .02936 | .01607 |
| Medford, | .01081 | .05678 | .01077 |
| Melrose, | .00772 | .00578 | .00769 |
| Newton, | .03479 | .02610 | .03467 |
| Quincy, | .01165 | .02064 | .01161 |
| Somerville, | .02866 | .02994 | .02855 |
| Waltham, | .01136 | .00852 | .01132 |
| Woburn, | .00556 | .00416 | .00554 |
| Arlington, | .00503 | .00378 | .00501 |
| Belmont, | .00306 | .00230 | .00305 |
| Braintree, | .00258 | .00194 | .00257 |
| Brookline, | .04988 | .03740 | .04970 |
| Canton, | .00206 | .00154 | .00206 |
| Cohasset, | - | - | .00366 |
| Dedham, | .00566 | .00424 | .00563 |
| Dover, | .00056 | .00042 | .00056 |
| Hingham, | .00244 | .00184 | .00243 |
| Hull, | .00214 | .00160 | .00213 |
| Hyde Park, | .00605 | .00618 | .00603 |
| Milton, | .01240 | .04158 | .01236 |
| Nahant, | .00368 | .00822 | .00366 |
| Needham, | .00209 | .00156 | .00208 |
| Revere, | .00583 | .05432 | .00580 |
| Saugus, | .00208 | .00156 | .00207 |
| Stoneham, | .00252 | .00188 | .00251 |
| Swampscott, | .00531 | .00398 | .00529 |
| Wakefield, | .00410 | .00308 | .00409 |
| Watertown, | .00630 | .00472 | .00628 |
| Wellesley, | .00585 | .00438 | .00583 |
| Weston, | .00341 | .00256 | .00340 |
| Westwood, | .00109 | .00082 | .00109 |
| Weymouth, | .00347 | .00260 | .00346 |
| Winchester, | .00532 | .02394 | .00530 |
| Winthrop, | .00426 | .00320 | .00424 |
| | 1.00000 | 1.00000 | 1.00000 |

METROPOLITAN PARKS LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1906. | Amount of Dec. 1, 1906, Sinking Fund at Maturity of Loan, Accu- mulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Require- ments in 1907. |
|-----------------------------|-------------|-------------------------------|--|--------------------------------|--|
| \$1,300,000 00 | Jan., 1934, | \$240,663 35 | \$537,744 81 | \$762,255 19 | \$18,663 85 |
| 2,000,000 00 | Jan., 1936, | 338,126 47 | 801,880 42 | 1,198,119 58 | 26,403 29 |
| 1,400,000 00 | Jan., 1937, | 226,416 81 | 553,186 01 | 846,813 99 | 17,734 62 |
| 1,000,000 00 | July, 1938, | 154,804 18 | 395,497 13 | 604,502 87 | 11,865 73 |
| 505,000 00 | July, 1939, | 73,270 67 | 192,851 44 | 312,148 56 | 5,834 54 |
| 650,000 00 | Jan., 1941, | 75,587 58 | 100,524 19 | 457,345 01 | 7,888 77 |
| 125,000 00 | Jan., 1943, | 8,863 31 | 25,891 12 | 99,108 88 | 1,559 25 |
| 340,000 00 | July, 1943, | 16,407 00 | 48,646 34 | 275,353 66 | 4,268 04 |
| 300,000 00 | Jan., 1944, | 14,554 81 | 43,801 97 | 256,198 03 | 3,853 59 |
| 370,000 00 | Jan., 1945, | 9,901 21 | 30,697 81 | 339,302 19 | 4,882 58 |
| 300,000 00 | Jan., 1946, | 9,239 10 | 29,510 79 | 270,489 21 | 3,726 12 |
| \$8,290,000 00 ¹ | | \$1,167,834 49 | \$2,760,232 03 | \$5,421,637 17 | \$106,680 38 |

¹ \$300,000 additional issued after assessment was made.*Nantasket.*

| | | | | | |
|--------------|-------------|-------------|--------------|--------------|------------|
| \$600,000 00 | July, 1939, | \$88,959 47 | \$234,145 02 | \$365,854 98 | \$6,838 40 |
| 100,000 00 | Jan., 1941, | 9,804 98 | 26,985 94 | 73,014 06 | 1,259 43 |
| \$700,000 00 | | \$98,764 45 | \$261,130 96 | \$438,869 04 | \$8,097 83 |

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARD) (ONE-HALF).

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1906. | Amount of Dec. 1, 1906, Sinking Fund at Maturity of Loan, Accu- mulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Requirements in 1907. |
|--------------------------|-------------|-------------------------------|--|--------------------------------|--|
| \$250,000 | Jan., 1934, | \$49,748 58 | \$111,159 60 | \$138,840 40 | \$3,300 |
| 300,000 | Jan., 1936, | 54,528 69 | 129,316 97 | 170,683 03 | 3,652 |
| 500,000 | Jan., 1937, | 86,943 18 | 212,421 29 | 287,578 71 | 5,846 |
| 50,000 | July, 1938, | 8,312 01 | 20,921 88 | 29,078 12 | 552 |
| 250,000 | July, 1939, | 39,809 75 | 103,232 43 | 146,767 57 | 2,654 |
| 162,500 | July, 1940, | 21,385 78 | 57,132 58 | 105,367 42 | 1,818 |
| 225,000 | Jan., 1940, | 19,355 23 | 51,707 93 | 173,292 07 | 3,042 |
| 55,000 | Jan., 1943, | 4,154 88 | 12,137 06 | 42,862 94 | 655 |
| 150,000 | July, 1943, | 7,992 11 | 23,346 22 | 126,653 78 | 1,906 |
| 150,000 | Jan., 1944, | 7,685 07 | 23,127 83 | 126,872 17 | 1,853 |
| 150,000 | Jan., 1945, | 4,142 01 | 12,841 93 | 137,158 07 | 1,916 |
| 150,000 | Jan., 1946, | - | - | - | 2,006 |
| \$2,392,500 ¹ | | \$304,057 29 | \$757,345 72 | \$1,485,154 28 | \$29,200 |

¹ \$150,000 additional issued after assessment was made.

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Sinking Fund.

| CITIES AND TOWNS. | Requirements Parks Sinking Fund. | Requirements Nantasket Sink- ing Fund. | Requirements Parks Series Two Sinking Fund. | Total Sinking Fund. |
|-------------------|--|--|---|------------------------|
| Boston, . . . | \$66,394 67 | \$5,021 38 | \$13,641 07 | \$85,057 12 |
| Cambridge, . . . | 5,766 08 | 436 15 | 1,330 93 | 7,533 16 |
| Chelsea, . . . | 1,283 36 | 97 01 | 724 74 | 2,105 11 |
| Everett, . . . | 1,106 28 | 83 65 | 1,163 91 | 2,353 84 |
| Lynn, . . . | 2,915 57 | 220 51 | 632 47 | 3,768 55 |
| Malden, . . . | 1,720 75 | 130 13 | 857 31 | 2,708 19 |
| Medford, . . . | 1,153 21 | 87 22 | 1,657 98 | 2,898 41 |
| Melrose, . . . | 823 57 | 62 27 | 168 78 | 1,054 62 |
| Newton, . . . | 3,711 41 | 280 75 | 762 12 | 4,754 28 |
| Quincy, . . . | 1,242 83 | 94 02 | 602 69 | 1,939 54 |
| Somerville, . . . | 3,057 46 | 231 19 | 874 25 | 4,162 90 |
| Waltham, . . . | 1,211 89 | 91 67 | 248 78 | 1,552 34 |
| Woburn, . . . | 593 14 | 44 86 | 121 47 | 759 47 |
| Arlington, . . . | 536 60 | 40 57 | 110 38 | 687 55 |
| Belmont, . . . | 326 44 | 24 70 | 67 16 | 418 30 |
| Braintree, . . . | 275 24 | 20 81 | 56 65 | 352 70 |
| Brookline, . . . | 5,321 22 | 402 46 | 1,092 08 | 6,815 76 |
| Canton, . . . | 219 76 | 16 68 | 44 97 | 281 41 |
| Cohasset, . . . | - | 29 64 | - | 29 64 |
| Dedham, . . . | 603 81 | 45 59 | 123 81 | 773 21 |
| Dover, . . . | 59 74 | 4 53 | 12 26 | 76 53 |
| Hingham, . . . | 260 30 | 19 68 | 53 73 | 333 71 |
| Hull, . . . | 228 30 | 17 25 | 46 72 | 292 27 |
| Hyde Park, . . . | 645 42 | 48 83 | 180 46 | 874 71 |
| Milton, . . . | 1,322 84 | 100 09 | 1,214 14 | 2,637 07 |
| Nahant, . . . | 392 58 | 29 64 | 240 02 | 662 24 |
| Needham, . . . | 222 96 | 16 84 | 45 55 | 285 35 |
| Revere, . . . | 621 95 | 46 97 | 1,586 14 | 2,255 06 |
| Saugus, . . . | 221 90 | 16 76 | 45 55 | 284 21 |
| Stoneham, . . . | 268 83 | 20 33 | 54 90 | 344 06 |
| Swampscott, . . . | 566 47 | 42 84 | 116 22 | 725 53 |
| Wakefield, . . . | 437 39 | 33 12 | 89 94 | 560 45 |
| Watertown, . . . | 672 09 | 50 85 | 137 82 | 860 76 |
| Wellesley, . . . | 624 08 | 47 21 | 127 90 | 799 19 |
| Weston, . . . | 363 78 | 27 53 | 74 75 | 466 06 |
| Westwood, . . . | 116 28 | 8 83 | 23 94 | 149 05 |
| Weymouth, . . . | 370 18 | 28 02 | 75 92 | 474 12 |
| Winchester, . . . | 567 54 | 42 92 | 699 05 | 1,309 51 |
| Winthrop, . . . | 454 46 | 34 33 | 93 44 | 582 23 |
| | \$106,680 38 | \$8,097 83 | \$29,200 00 | \$143,978 21 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Interest.

| CITIES AND TOWNS. | Requirements Parks Interest. | Requirements Boulevard Interest. | Requirements Nantasket Interest. | Total Interest. |
|---------------------|------------------------------------|--|--|--------------------|
| Boston, | \$233,108 66 | \$43,011 10 | \$13,021 89 | \$289,141 65 |
| Cambridge, | 20,244 43 | 4,196 52 | 1,131 06 | 25,572 01 |
| Chelsea, | 4,505 84 | 2,285 16 | 251 58 | 7,042 58 |
| Everett, | 3,884 08 | 3,669 88 | 216 93 | 7,770 89 |
| Lynn, | 10,236 45 | 1,994 22 | 571 83 | 12,802 50 |
| Malden, | 6,041 49 | 2,703 15 | 337 47 | 9,082 11 |
| Medford, | 4,048 88 | 5,227 70 | 226 17 | 9,502 75 |
| Melrose, | 2,891 53 | 532 16 | 161 49 | 3,585 18 |
| Newton, | 13,030 59 | 2,403 01 | 728 07 | 16,161 67 |
| Quincy, | 4,363 51 | 1,900 31 | 243 81 | 6,507 63 |
| Somerville, | 10,734 60 | 2,756 56 | 599 55 | 14,090 71 |
| Waltham, | 4,254 89 | 784 43 | 237 72 | 5,277 04 |
| Woburn, | 2,082 50 | 383 01 | 116 34 | 2,581 85 |
| Arlington, | 1,883 99 | 348 02 | 105 21 | 2,337 22 |
| Belmont, | 1,146 12 | 211 76 | 64 05 | 1,421 93 |
| Braintree, | 966 34 | 178 61 | 53 97 | 1,198 92 |
| Brookline, | 18,682 55 | 3,443 39 | 1,043 70 | 23,169 64 |
| Canton, | 771 57 | 141 79 | 43 26 | 956 62 |
| Cohasset, | — | — | 76 86 | 76 86 |
| Dedham, | 2,119 95 | 390 37 | 118 23 | 2,628 55 |
| Dover, | 209 75 | 38 67 | 11 76 | 260 18 |
| Hingham, | 913 90 | 169 41 | 51 03 | 1,134 34 |
| Hull, | 801 54 | 147 31 | 44 73 | 993 58 |
| Hyde Park, | 2,266 03 | 568 99 | 126 63 | 2,961 65 |
| Milton, | 4,644 42 | 3,828 24 | 259 56 | 8,732 22 |
| Nahant, | 1,378 34 | 756 81 | 76 86 | 2,212 01 |
| Needham, | 782 81 | 143 63 | 43 68 | 970 12 |
| Revere, | 2,183 63 | 5,001 21 | 121 80 | 7,306 64 |
| Saugus, | 779 06 | 143 63 | 43 47 | 966 16 |
| Stoneham, | 943 87 | 173 09 | 52 71 | 1,169 67 |
| Swampscott, | 1,988 86 | 366 44 | 111 09 | 2,466 39 |
| Wakefield, | 1,535 65 | 283 57 | 85 89 | 1,905 11 |
| Watertown, | 2,359 66 | 434 57 | 131 88 | 2,926 11 |
| Wellesley, | 2,191 12 | 403 26 | 122 43 | 2,716 81 |
| Weston, | 1,277 22 | 235 70 | 71 40 | 1,584 32 |
| Westwood, | 408 26 | 75 50 | 22 89 | 506 65 |
| Weymouth, | 1,299 69 | 239 38 | 72 66 | 1,611 73 |
| Winchester, | 1,992 61 | 2,204 14 | 111 30 | 4,308 05 |
| Winthrop, | 1,595 58 | 294 62 | 89 04 | 1,979 24 |
| | \$374,549 97 | \$92,069 32 | \$21,000 00 | \$487,619 29 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Maintenance.

| CITIES AND TOWNS. | Parks Maintenance. ¹ | Boulevard Maintenance. | Nantasket Maintenance. | Total Maintenance. |
|-------------------|------------------------------------|---------------------------|---------------------------|-----------------------|
| Boston, . . . | \$171,681 34 | \$24,487 26 | \$8,949 20 | \$205,117 80 |
| Cambridge, . . . | 14,909 74 | 2,389 18 | 777 31 | 18,076 23 |
| Chelsea, . . . | 3,318 49 | 1,301 00 | 172 90 | 4,792 39 |
| Everett, . . . | 2,860 57 | 2,089 35 | 149 08 | 5,099 00 |
| Lynn, . . . | 7,539 00 | 1,135 36 | 392 99 | 9,067 35 |
| Malden, . . . | 4,449 48 | 1,538 97 | 231 92 | 6,220 37 |
| Medford, . . . | 2,981 95 | 2,976 25 | 155 43 | 6,113 63 |
| Melrose, . . . | 2,129 57 | 302 97 | 110 98 | 2,543 52 |
| Newton, . . . | 9,596 85 | 1,368 09 | 500 36 | 11,465 30 |
| Quincy, . . . | 3,213 66 | 1,081 89 | 167 56 | 4,463 11 |
| Somerville, . . . | 7,905 89 | 1,569 37 | 412 04 | 9,887 30 |
| Waltham, . . . | 3,133 67 | 446 60 | 163 37 | 3,743 64 |
| Woburn, . . . | 1,533 73 | 218 05 | 79 95 | 1,831 73 |
| Arlington, . . . | 1,387 53 | 198 14 | 72 31 | 1,657 98 |
| Belmont, . . . | 844 10 | 120 56 | 44 02 | 1,008 68 |
| Braintree, . . . | 711 70 | 101 69 | 37 09 | 850 48 |
| Brookline, . . . | 13,759 44 | 1,960 41 | 717 28 | 16,437 13 |
| Canton, . . . | 568 25 | 80 72 | 29 73 | 678 70 |
| Cohasset, . . . | - | - | 52 82 | 52 82 |
| Dedham, . . . | 1,561 32 | 222 25 | 81 25 | 1,864 82 |
| Dover, . . . | 154 48 | 22 02 | 8 08 | 184 58 |
| Hingham, . . . | 673 08 | 96 45 | 35 07 | 804 60 |
| Hull, . . . | 590 32 | 83 87 | 30 74 | 704 93 |
| Hyde Park, . . . | 1,668 90 | 323 94 | 87 03 | 2,079 87 |
| Milton, . . . | 3,420 55 | 2,179 51 | 178 38 | 5,778 44 |
| Nahant, . . . | 1,015 13 | 430 87 | 52 82 | 1,498 82 |
| Needham, . . . | 576 53 | 81 77 | 30 02 | 688 32 |
| Revere, . . . | 1,608 21 | 2,847 31 | 83 71 | 4,539 23 |
| Saugus, . . . | 573 77 | 81 77 | 29 87 | 685 41 |
| Stoneham, . . . | 695 14 | 98 54 | 36 22 | 829 90 |
| Swampscott, . . . | 1,464 77 | 208 62 | 76 35 | 1,749 74 |
| Wakefield, . . . | 1,130 99 | 161 45 | 59 03 | 1,351 47 |
| Watertown, . . . | 1,737 86 | 247 41 | 90 63 | 2,075 90 |
| Wellesley, . . . | 1,613 73 | 229 59 | 84 14 | 1,927 46 |
| Weston, . . . | 940 65 | 134 19 | 49 07 | 1,123 91 |
| Westwood, . . . | 300 68 | 42 98 | 15 73 | 359 39 |
| Weymouth, . . . | 957 20 | 136 28 | 49 94 | 1,143 42 |
| Winchester, . . . | 1,467 53 | 1,254 87 | 76 49 | 2,798 89 |
| Winthrop, . . . | 1,175 12 | 167 74 | 61 19 | 1,404 05 |
| | \$275,850 92 | \$52,417 29 | \$14,432 10 | \$342,700 31 |

¹ Including one-half Wellington bridge; also \$25,000 band concerts and \$25,000 expenses of commission (chapter 108, resolves of 1907).

Wellington Bridge, Special Assessment. (Chapter 491, Acts of 1901.)

[One-fifth of one-half of the cost of the bridge due each year for five years.]

| | Per Cent. | Assessment. | Interest. | Main- tenance. | Interest over- assessed in 1906. | Net Assessment. |
|----------------------|--------------|-----------------------|------------|-------------------|---|--------------------|
| Malden, ¹ | 14 | \$147 82 ² | — | \$318 95 | — | \$466 77 |
| Medford, | 19 | 7,082 17 | \$1,376 57 | 432 85 | \$3,210 77 | 5,680 82 |
| Reading, | 1 | 372 74 | 72 45 | 22 78 | 168 99 | 298 98 |
| Somerville, | 12½ | 4,659 34 | 905 64 | 284 77 | 2,112 35 | 3,737 40 |
| Stoneham, | 3½ | 1,304 61 | 253 58 | 79 74 | 591 46 | 1,046 47 |
| | | \$13,566 68 | \$2,608 24 | \$1,139 09 | \$9,231 31 | \$11,230 44 |

¹ Paid the whole original assessment in 1906.² Extra assessment.*Newton and Wellesley Bridge. (Chapter 391, Acts of 1903.)*

| | Assessment. | Interest. | Total. |
|---|-------------|------------|------------|
| Newton, | \$1,200 00 | \$382 36 | \$1,582 36 |
| Wellesley, | 600 00 | 191 18 | 791 18 |
| Middlesex County, | 500 00 | 159 31 | 659 31 |
| Norfolk County, | 500 00 | 159 31 | 659 31 |
| Boston & Worcester Street Rail- way Company, | 400 00 | 127 45 | 527 45 |
| | \$3,200 00 | \$1,019 61 | \$4,219 61 |

CHARLES RIVER BASIN.

Chapter 465, Acts of 1903, authorized the building of a dam across Charles River by a special commission, and the payment therefor by a special loan by the Commonwealth, to be apportioned, assessed and repaid in the manner provided for the park loan.

| DATE OF SALE. | Bonds issued. | Rate of Interest (Per Cent.). | Price received. | Due Date. |
|----------------|------------------|-------------------------------------|--------------------|---------------|
| Jan. 15, 1904, | \$250,000 | 3½ | 104.600 | Jan. 1, 1944. |
| Mar. 24, 1905, | 80,000 | 3½ | 106.175 | Jan. 1, 1945. |
| Mar. 24, 1905, | 320,000 | 3½ | 105.553 | Jan. 1, 1945. |
| June 28, 1906, | 600,000 | 3½ | 103.090 | Jan. 1, 1946. |
| Apr. 3, 1907, | 1,150,000 | 3½ | 101.850 | Jan. 1, 1947. |

No apportionment made as yet. See report of commissioners for reasons therefor.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

| | |
|---|-----------------------|
| The gross metropolitan sewerage, north system, debt, April 1, 1907, was | \$6,150,000 00 |
| an increase for the year of \$55,000. | |
| The sinking fund established for payment of same, April 1, 1907, amounted to | 799,965 11 |
| an increase for the year of \$78,786.23. | |
| The net metropolitan sewerage, north system, debt, April 1, 1907, was | <u>\$5,350,034 89</u> |
| a decrease for the year of \$23,786.23. | |

Assessments, North System.

| | |
|---|---------------------|
| Sinking fund, | \$53,144 64 |
| One year's interest on \$6,150,000, | \$188,750 00 |
| Adjustment, | 64,891 61 |
| | <u>123,858 39</u> |
| Maintenance, | \$143,000 00 |
| Adjustment, | 49,554 91 |
| | <u>93,445 09</u> |
| | <u>\$270,448 12</u> |

STATEMENT IV.

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

| | |
|--|-----------------------|
| The gross metropolitan sewerage, south system, debt, April 1, 1907, was | \$7,877,912 00 |
| an increase for the year of \$175,000. | |
| The sinking funds established for payment of same, April 1, 1907, amounted to | 357,412 83 |
| an increase for the year of \$62,345.98. | |
| The net metropolitan sewerage, south system, debt, April 1, 1907, was | <u>\$7,520,499 17</u> |
| an increase for the year of \$112,654.02. | |

Assessments, South System.

| | |
|--|---------------------|
| Sinking fund, | \$48,198 97 |
| Six months' interest on \$7,856,912, | \$131,521 18 |
| Six months' interest on \$7,877,912, | 131,888 68 |
| | <u>\$263,409 86</u> |
| Accrued interest, | 245 68 |
| | <u>\$263,164 18</u> |
| Adjustment, | 104,562 54 |
| | <u>367,726 72</u> |
| Maintenance, | \$100,500 00 |
| Adjustment, | 12,565 20 |
| | <u>87,934 80</u> |
| | <u>\$503,860 49</u> |

METROPOLITAN SEWERAGE LOAN.

North System.

| CITIES AND TOWNS. | Sinking Fund Requirements. | Interest Requirements. | Cost of Maintenance. | Total Assessment. |
|-------------------|----------------------------|------------------------|----------------------|-------------------|
| Arlington, . . . | \$1,259 53 | \$2,935 44 | \$1,906 28 | \$6,101 25 |
| Belmont, . . . | 765 28 | 1,783 56 | 859 69 | 3,408 53 |
| Boston, . . . | 8,742 30 | 20,374 70 | 18,034 90 | 47,151 90 |
| Cambridge, . . . | 13,535 94 | 31,546 73 | 19,240 34 | 64,323 01 |
| Chelsea, . . . | 3,013 30 | 7,022 77 | 7,363 47 | 17,399 54 |
| Everett, . . . | 2,593 46 | 6,044 29 | 5,746 87 | 14,384 62 |
| Lexington, . . . | 478 30 | 1,114 73 | 738 22 | 2,331 25 |
| Malden, . . . | 4,038 99 | 9,413 24 | 7,512 99 | 20,965 22 |
| Medford, . . . | 2,705 06 | 6,304 39 | 3,887 32 | 12,896 77 |
| Melrose, . . . | 1,934 46 | 4,508 45 | 2,822 04 | 9,264 95 |
| Revere, . . . | 1,461 48 | 3,406 11 | 2,504 33 | 7,371 92 |
| Somerville, . . . | 7,174 53 | 16,720 88 | 13,680 36 | 37,575 77 |
| Stoneham, . . . | 632 42 | 1,473 91 | 1,252 17 | 3,358 50 |
| Wakefield, . . . | 1,025 69 | 2,390 47 | 2,027 76 | 5,443 92 |
| Winchester, . . . | 1,328 62 | 3,096 46 | 1,625 94 | 6,051 02 |
| Winthrop, . . . | 1,062 89 | 2,477 17 | 1,392 33 | 4,932 39 |
| Woburn, . . . | 1,392 39 | 3,245 09 | 2,850 08 | 7,487 56 |
| | \$53,144 64 | \$123,858 39 | \$93,445 09 | \$270,448 12 |

METROPOLITAN SEWERAGE LOAN (NORTH SYSTEM) SINKING FUND.

| BONDS ISSUED AND AMOUNT PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1906. | Amount of Dec. 1, 1906, Sinking Fund at Maturity of Loan, Accu- mulations at 3 Per Cent. | Balance. | Proportion of Balance to be provided for this Year. | Sinking Fund Require- ments in 1907. |
|---|----------------------|----------------------------------|--|----------------|--|--|
| \$5,330,000 (1,288,083) | Jan., 1930, Sunk. | \$741,288 96 | \$1,470,366 05 | \$5,147,716 95 | \$85,795 28 ($\frac{1}{60}$) | \$44,561 27 |
| 465,000 (77,437) | Jan., 1930, Sunk. | 43,115 83 | 85,521 38 | 456,915 62 | 13,326 70 ($\frac{7}{240}$) | 6,921 77 |
| 250,000 (12,500) | July, 1943, Sunk. | 4,635 34 | 13,743 67 | 248,756 33 | 3,109 45 ($\frac{1}{50}$) | 1,080 43 |
| 50,000 (2,500) | Jan., 1943, Sunk. | 927 08 | 2,708 15 | 49,791 85 | 622 39 ($\frac{1}{80}$) | 219 51 |
| 55,000 | July, 1943, Sunk. | 1,699 50 | 5,038 97 | 49,961 03 | 1,040 85 ($\frac{1}{48}$) | 361 66 |
| \$6,150,000 (1,380,520) | - Sunk. | \$791,666 71 | \$1,577,378 22 | \$5,953,141 78 | \$103,894 67 | \$53,144 64 |

METROPOLITAN SEWERAGE LOAN.

North System.

| BONDS ISSUED. | Due Date. | Amount provided for. | Amount to be provided for. | This Year. |
|---------------|-----------|------------------------------|--|-----------------|
| \$5,330,000 | 1930 | $\frac{1}{8} + \frac{7}{60}$ | $\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 265,000 | 1930 | $\frac{49}{240}$ | $\frac{21}{240} + \frac{1}{3} + \frac{3}{8}$ | $\frac{7}{240}$ |
| 200,000 | 1930 | $\frac{23}{240}$ | $\frac{21}{240} + \frac{1}{3} + \frac{11}{240}$ | $\frac{7}{240}$ |
| 300,000 | 1943 | $\frac{4}{80}$ | $\frac{6}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 55,000 | 1943 | | $\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{48}$ |

*Proportions for Interest and Sinking Fund Requirements under
Chapter 369, Acts of 1906.*

| CITIES AND TOWNS. | State Valuation 1901. | Ratios in Per- centages. | CITIES AND TOWNS. | State Valuation 1901. | Ratios in Per- centages. |
|------------------------|--------------------------|--------------------------------|-------------------|--------------------------|--------------------------------|
| Arlington, . | \$10,308,560 | 2.37 | Revere, . | \$11,950,017 | 2.75 |
| Belmont, . | 6,278,506 | 1.44 | Somerville, . | 58,777,146 | 13.50 |
| Boston, ¹ . | 71,593,802 | 16.45 | Stoneham, . | 5,166,724 | 1.19 |
| Cambridge, . | 110,858,351 | 25.47 | Wakefield, . | 8,412,917 | 1.93 |
| Chelsea, . | 24,664,023 | 5.67 | Winchester, . | 10,901,591 | 2.50 |
| Everett, . | 21,264,833 | 4.88 | Winthrop, . | 8,725,731 | 2.00 |
| Lexington, . | 3,918,599 ² | 0.90 | Woburn, . | 11,405,100 | 2.62 |
| Malden, . | 33,087,338 | 7.60 | | | |
| Medford, . | 22,169,475 | 5.09 | | \$435,310,620 | 100.00 |
| Melrose, . | 15,827,907 | 3.64 | | | |

¹ Charlestown and East Boston.

² 59.85 per cent. of the town valuation derived from figures furnished by the clerk of the board of assessors.

Proportions for the Cost of Maintenance and Operation.

| CITIES AND TOWNS. | Population State Census 1905. | Ratios in Per- centages. | CITIES AND TOWNS. | Population State Census 1905. | Ratios in Per- centages. |
|------------------------|-------------------------------------|--------------------------------|-------------------|-------------------------------------|--------------------------------|
| Arlington, . | 9,668 | 2.04 | Revere, . | 12,659 | 2.68 |
| Belmont, . | 4,360 | 0.92 | Somerville, . | 69,272 | 14.64 |
| Boston, ¹ . | 91,317 | 19.30 | Stoneham, . | 6,332 | 1.34 |
| Cambridge, . | 97,434 | 20.59 | Wakefield, . | 10,268 | 2.17 |
| Chelsea, . | 37,289 | 7.88 | Winchester, . | 8,242 | 1.74 |
| Everett, . | 29,111 | 6.15 | Winthrop, . | 7,034 | 1.49 |
| Lexington, . | 3,750 ² | 0.79 | Woburn, . | 14,402 | 3.05 |
| Malden, . | 38,037 | 8.04 | | | |
| Medford, . | 19,686 | 4.16 | | 473,156 | 100.00 |
| Melrose, . | 14,295 | 3.02 | | | |

¹ Charlestown and East Boston.

² Population of Lexington sewerage district certified by the clerk of the assessors.

METROPOLITAN SEWERAGE LOAN.

South System.

| CITIES AND TOWNS. | Sinking Fund Requirements. | Interest Requirements. | Cost of Maintenance. | Total Assessment. |
|-------------------|----------------------------|------------------------|----------------------|-------------------|
| Boston, . . . | \$19,269 95 | \$147,017 14 | \$40,907 27 | \$207,194 36 |
| Brookline, . . . | 10,473 64 | 79,907 02 | 6,797 34 | 97,178 00 |
| Dedham, . . . | 1,123 04 | 8,568 03 | 2,541 32 | 12,232 39 |
| Hyde Park, . . . | 1,272 45 | 9,707 99 | 4,519 85 | 15,500 29 |
| Milton, . . . | 2,602 74 | 19,857 24 | 2,242 34 | 24,702 32 |
| Newton, . . . | 7,306 96 | 55,747 37 | 11,457 91 | 74,512 24 |
| Quincy, . . . | 2,443 69 | 18,643 75 | 8,151 56 | 29,239 00 |
| Waltham, . . . | 2,385 85 | 18,202 47 | 8,010 86 | 28,599 18 |
| Watertown, . . . | 1,320 65 | 10,075 71 | 3,306 35 | 14,702 71 |
| | \$48,198 97 | \$367,726 72 | \$87,934 80 | \$503,860 49 |

METROPOLITAN SEWERAGE LOAN (SOUTH SYSTEM) SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1906. | Amount of Dec. 1, 1906, Sinking Fund at Maturity of Loan, Accumulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Requirements in 1907. |
|--|----------------------|----------------------------|--|----------------|--|------------------------------------|
| \$800,000 (193,333) | Jan., 1930, Sunk. | \$108,338 47 | \$214,892 19 | \$778,440 81 | \$12,974 01 ($\frac{1}{60}$) | \$6,738 58 |
| 839,000 (132,841) | Mar., 1935, Sunk. | 63,593 78 | 147,488 45 | 824,352 55 | 13,739 20 ($\frac{1}{60}$) | 6,103 10 |
| 65,000 (9,208) | Mar., 1936, Sunk. | 4,229 87 | 10,106 54 | 64,101 46 | 1,068 35 ($\frac{1}{60}$) | 460 65 |
| 14,000 (1,166) | July, 1939, Sunk. | 478 28 | 1,258 85 | 13,907 15 | 289 73 ($\frac{1}{48}$) | 113 41 |
| 10,912 (1,023) | July, 1939, Sunk. | 427 93 | 1,126 32 | 10,808 68 | 168 88 ($\frac{1}{64}$) | 66 11 |
| 1,000,000 (97,222) | July, 1939, Sunk. | 40,966 11 | 107,824 50 | 989,397 50 | 13,741 63 ($\frac{1}{72}$) | 5,378 71 |
| 2,000,000 (156,250) | July, 1940, Sunk. | 63,009 88 | 170,857 27 | 1,985,392 73 | 31,021 76 ($\frac{1}{64}$) | 11,786 20 |
| 1,586,000 (113,285) | July, 1940, Sunk. | 45,259 25 | 122,724 75 | 1,576,560 25 | 28,152 86 ($\frac{1}{66}$) | 10,696 21 |
| 996,000 (49,800) | Jan., 1943, Sunk. | 18,148 82 | 53,015 56 | 992,784 44 | 12,409 80 ($\frac{1}{80}$) | 4,376 66 |
| 392,000 (10,888) | July, 1944, Sunk. | 3,612 86 | 11,035 81 | 391,852 19 | 5,442 39 ($\frac{1}{72}$) | 1,835 07 |
| 175,000 | Jan., 1946, | 4,758 60 | 15,199 54 | 159,800 46 | 1,997 50 ($\frac{1}{72}$) | 644 27 |
| \$7,877,912 ¹ (765,016) | - Sunk. | \$352,823 85 | \$855,529 78 | \$7,787,398 22 | \$121,006 11 | \$48,198 97 |

¹ \$300,000 additional issued after assessment was made.

METROPOLITAN SEWERAGE LOAN (SOUTH SYSTEM).

Amounts provided for and to be provided for.

| DUE DATES. | Bonds issued. | Amount provided for. | Amount to be provided for. | This Year. |
|---------------|---------------|------------------------------|--|----------------|
| 1930, | \$800,000 | $\frac{1}{8} + \frac{7}{60}$ | $\frac{3}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1935, | \$839,000 | $\frac{1}{8} + \frac{2}{60}$ | $\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1936, | \$65,000 | $\frac{1}{8} + \frac{1}{60}$ | $\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1939, | \$14,000 | $\frac{4}{48}$ | $\frac{2}{48} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{48}$ |
| 1939, | 10,912 | $\frac{6}{64}$ | $\frac{2}{64} + \frac{1}{8} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{64}$ |
| 1939, | 1,000,000 | $\frac{7}{72}$ | $\frac{2}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| | \$1,024,912 | | | |
| 1940, | \$2,000,000 | $\frac{5}{64}$ | $\frac{3}{64} + \frac{1}{8} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{64}$ |
| 1940, | 1,586,000 | $\frac{4}{56}$ | $\frac{3}{56} + \frac{1}{8} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{56}$ |
| | \$3,586,000 | | | |
| 1943, | \$996,000 | $\frac{4}{80}$ | $\frac{6}{80} + \frac{1}{8} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 1944, | \$392,000 | $\frac{2}{72}$ | $\frac{7}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| 1946, | \$175,000 | — | $\frac{9}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |

Proportions for Annual Payments for Cost of Maintenance, Operation, Interest and Sinking Fund Requirements.

| CITIES AND TOWNS. | Population. 1900. | Proportion for Maintenance and Operation (Per Cent.). | Valuation. | Proportion for Interest and Sinking Funds (Per Cent.). |
|--------------------|----------------------|--|---------------|---|
| Boston, | 119,921 | 46.52 | \$188,227,950 | 39.98 |
| Brookline, | 19,935 | 7.73 | 102,306,308 | 21.73 |
| Dedham, | 7,457 | 2.89 | 10,965,988 | 2.33 |
| Hyde Park, | 13,244 | 5.14 | 12,415,331 | 2.64 |
| Milton, | 6,578 | 2.55 | 25,435,822 | 5.40 |
| Newton, | 33,587 | 13.03 | 71,356,289 | 15.16 |
| Quincy, | 23,899 | 9.27 | 23,894,528 | 5.07 |
| Waltham, | 23,481 | 9.11 | 23,297,415 | 4.95 |
| Watertown, | 9,706 | 3.76 | 12,921,271 | 2.74 |
| | 257,808 | 100.00 | \$470,820,902 | 100.00 |

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1906¹ and 1907.

| CITIES AND TOWNS. | PARKS. | | SEWER. | |
|-------------------|--------------------|--------------|--------------|--------------|
| | 1906. | 1907. | 1906. | 1907. |
| Boston, | \$620,044 95 | \$579,316 57 | \$226,355 57 | \$254,346 26 |
| Cambridge, . . . | 46,774 71 | 51,181 40 | 84,895 57 | 64,323 01 |
| Chelsea, | 13,061 51 | 13,940 08 | 22,722 35 | 17,399 54 |
| Everett, | 17,105 12 | 15,223 73 | 18,823 32 | 14,384 62 |
| Lynn, | 22,652 83 | 25,638 40 | - | - |
| Malden, | 22,204 25 | 18,477 44 | 27,531 28 | 20,965 22 |
| Medford, | 26,873 78 | 27,406 38 | 17,018 25 | 12,896 77 |
| Melrose, | 6,183 01 | 7,183 32 | 12,222 49 | 9,264 95 |
| Newton, | 17,122 69 | 33,963 61 | 58,372 99 | 74,512 24 |
| Quincy, | 12,358 33 | 12,910 28 | 23,813 99 | 29,239 00 |
| Somerville, . . . | 31,129 50 | 33,990 66 | 49,319 97 | 37,575 77 |
| Waltham, | 8,187 84 | 10,573 02 | 23,302 26 | 28,599 18 |
| Woburn, | 3,445 40 | 5,173 05 | 9,813 86 | 7,487 56 |
| Arlington, . . . | 2,039 66 | 4,682 75 | 8,043 51 | 6,101 25 |
| Belmont, | 1,673 61 | 2,848 91 | 4,516 64 | 3,408 53 |
| Braintree, . . . | 1,577 62 | 2,402 10 | - | - |
| Brookline, . . . | 34,670 74 | 46,422 53 | 74,105 67 | 97,178 00 |
| Canton, | 180 61 | 1,916 73 | - | - |
| Cohasset, | 99 89 ² | 159 32 | - | - |
| Dedham, | 3,225 56 | 5,266 58 | 9,746 91 | 12,232 39 |
| Dover, | 156 18 | 521 29 | - | - |
| Hingham, | 1,460 19 | 2,272 65 | - | - |
| Hull, | 299 51 | 1,990 78 | - | - |
| Hyde Park, . . . | 4,474 53 | 5,916 23 | 12,673 70 | 15,500 29 |
| Lexington, . . . | - | - | 3,072 26 | 2,331 25 |
| Milton, | 6,757 69 | 17,147 73 | 18,965 22 | 24,702 32 |
| Nahant, | 2,078 58 | 4,373 07 | - | - |
| Needham, | 1,611 54 | 1,943 79 | - | - |
| Reading, | 699 70 | 467 97 | - | - |
| Revere, | 13,959 02 | 14,100 93 | 9,696 13 | 7,371 92 |
| Saugus, | 1,575 20 | 1,935 78 | - | - |
| Stoneham, | 3,889 60 | 3,981 56 | 4,404 90 | 3,358 50 |
| Swampscott, . . . | 5,341 34 | 4,941 66 | - | - |
| Wakefield, . . . | 3,652 78 | 3,817 03 | 7,140 26 | 5,443 92 |
| Watertown, . . . | 3,198 15 | 5,862 77 | 11,777 86 | 14,702 71 |
| Wellesley, . . . | 5,121 93 | 6,234 64 | - | - |
| Weston, | 1,844 34 | 3,174 29 | - | - |
| Westwood, | 1,010 32 | 1,015 09 | - | - |
| Weymouth, . . . | 1,879 04 | 3,229 27 | - | - |
| Winchester, . . . | 6,852 28 | 8,416 45 | 8,006 97 | 6,051 02 |
| Winthrop, | 3,222 39 | 3,965 52 | 6,519 24 | 4,932 39 |
| | \$959,596 03 | \$993,985 36 | \$752,861 17 | \$774,308 61 |
| | 99 89 ¹ | - | - | - |

¹ The assessments of 1906 as given are the actual amounts assessed. The amounts paid were equalized under chapter 457, Acts 1905.

² Due the town.

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Commonwealth of Massachusetts.

1908

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS
AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 Post Office Square.

1908.

Commonwealth of Massachusetts.

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1908.

STATE LIBRARY OF MASSACHUSETTS,

AUG 9 1909

STATE HOUSE, BOSTON,

MASSACHUSETTS
TO
ATTORNEY GENERAL

Commonwealth of Massachusetts.

TREASURY DEPARTMENT, June 15, 1908.

Computations for the annual assessments for interest, sinking fund and maintenance for 1908 to be paid by the cities and towns comprising the metropolitan districts for the water, park and sewer systems, have been printed and are sent to each city and town, in order that the figures may be verified and the taxpayers of the districts be assured the amount levied is correct.

The total metropolitan assessments for the past four years are as follows : —

| | | | | | | | |
|-------|---|---|---|---|---|---|----------------|
| 1905, | . | . | . | . | . | . | \$3,722,725 93 |
| 1906, | . | . | . | . | . | . | 3,975,114 40 |
| 1907, | . | . | . | . | . | . | 3,963,700 68 |
| 1908, | . | . | . | . | . | . | 4,237,127 45 |

No assessment has yet been made for the Charles River basin, because the commissioners failed to make any apportionment, on the ground that this could not be done until the work was finished. There will be a considerable amount of interest, which has been advanced by the State, to be assessed when the apportionment is finally made.

ARTHUR B. CHAPIN,

Treasurer and Receiver-General.

Total Assessments of the Metropolitan Districts for 1908.

| | Metropolitan Water.) | Metropolitan Parks and Boulevards. | Metropolitan Sewer, North and South Systems. | Total. |
|---------------|-------------------------|--|---|-----------------------------|
| Arlington, . | \$16,552 50 | \$5,129 49 | \$9,507 36 ^N | \$31,189 35 |
| Belmont, . | 6,832 38 | 3,120 71 | 5,200 39 ^N | 15,153 48 |
| Boston, . | 1,789,315 84 | 634,583 07 | 75,261 26 ^N 186,834 48 ^S | 2,685,994 65 |
| Braintree, . | - | 2,631 27 | - | 2,631 27 |
| Brookline, . | - | 50,851 09 | 83,757 57 ^S | 134,608 66 |
| Cambridge, . | - | 56,080 91 | 99,768 95 ^N | 155,849 86 |
| Canton, . | - | 2,099 61 | - | 2,099 61 |
| Chelsea, . | 58,288 06 | 15,322 92 | 28,155 30 ^N | 101,766 28 |
| Cohasset, . | - | 192 12 | - | 192 12 |
| Dedham, . | - | 5,768 93 | 11,069 82 ^S | 16,838 75 |
| Dover, . | - | 570 93 | - | 570 93 |
| Everett, . | 42,428 56 | 16,783 75 | 23,092 42 ^N | 82,304 73 |
| Hingham, . | - | 2,489 47 | - | 2,489 47 |
| Hull, . | - | 2,180 66 | - | 2,180 66 |
| Hyde Park, . | 1,261 26 | 6,486 14 | 14,433 24 ^S | 22,180 64 |
| Lexington, . | 6,845 05 | - | 3,638 02 ^N | 10,483 07 |
| Lynn, . | - | 28,088 12 | - | 28,088 12 |
| Malden, . | 38,049 53 | 20,746 79 | 33,189 92 ^N | 91,986 24 |
| Medford, . | 36,955 49 | 29,816 10 | 20,019 71 ^N | 86,791 30 |
| Melrose, . | 28,693 90 | 7,868 56 | 14,397 93 ^N | 50,960 39 |
| Milton, . | 14,713 89 | 18,891 97 | 21,451 65 ^S | 55,057 51 |
| Nahant, . | 4,282 55 | 4,808 56 | - | 9,091 11 |
| Needham, . | - | 2,129 20 | - | 2,129 20 |
| Newton, . | 6,259 58 | 36,903 68 | 66,173 70 ^S | 109,336 96 |
| Quincy, . | 49,285 01 | 14,181 85 | 27,109 15 ^S | 90,576 01 |
| Reading, . | - | 493 25 | - | 493 25 |
| Revere, . | 21,842 32 | 15,613 78 | 11,596 12 ^N | 49,052 22 |
| Saugus, . | - | 2,120 45 | - | 2,120 45 |
| Somerville, . | 108,691 08 | 37,019 34 | 59,602 25 ^N | 205,312 67 |
| Stoneham, . | 9,727 88 | 4,293 52 | 5,343 13 ^N | 19,364 53 |
| Swampscott, . | - | 5,413 06 | - | 5,413 06 |
| Wakefield, . | - | 4,181 22 | 8,659 83 ^N | 12,841 05 |
| Waltham, . | - | 11,581 66 | 26,527 72 ^S | 38,109 38 |
| Watertown, . | 15,639 86 | 6,422 08 | 13,384 05 ^S | 35,445 99 |
| Wellesley, . | - | 6,679 36 | - | 6,679 36 |
| Weston, . | - | 3,477 12 | - | 3,477 12 |
| Westwood, . | - | 1,111 94 | - | 1,111 94 |
| Weymouth, . | - | 3,537 34 | - | 3,537 34 |
| Winchester, . | - | 9,286 33 | 9,285 97 ^N | 18,572 30 |
| Winthrop, . | 15,486 79 | 4,343 83 | 7,605 53 ^N | 27,436 15 |
| Woburn, . | - | 5,666 52 | 11,943 75 ^N | 17,610 27 |
| | \$2,271,151 53 | \$1,088,966 70 ¹ | \$877,009 22 | \$4,237,127 45 ¹ |

N, North system.

S, South system.

¹ Includes \$20,866.67 assessments for Wellington and Wellesley bridges, and one-half maintenance of Wellington bridge paid by district; also expense of Improvement Commission.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, May 1, 1908.

The gross metropolitan water debt, May 1, 1908, was . . . \$40,500,000 00

showing no increase for the past year.

The sinking funds established for payment of same May 1, 1908,

amounted to, 5,727,596 45

an increase for the year of \$755,213.39.

The net metropolitan water debt, May 1, 1908, was . . . \$34,772,403 55

a decrease for the year of \$755,213.39.

Total Metropolitan Water Assessment for 1908.

Sinking fund requirement (see page 4), \$519,581 23

Interest:—

One year on \$40,500,000 = \$1,363,000 00

Interest on advances, 1907, 35,517 91

Interest on advances, estimated, 1908, . . . 35,000 00

1,433,517 91

Maintenance as appropriated by Legislature, . \$433,000 00

Less balance on hand Dec. 1, 1907, . . . 114,947 61

318,052 39

Total water assessment for 1908, \$2,271,151 53

METROPOLITAN WATER LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Dec. 1, 1907. | Amount of 1907 Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be sunk. | Sinking Fund Requirements for 1908. |
|------------------|-------------|-------------------------------|---|------------------------|--|
| \$13,000,000 | July, 1935, | \$2,728,465 99 | \$6,188,007 91 | \$6,811,992 09 | \$164,326 96 |
| 4,000,000 | Jan., 1938, | 671,750 64 | 1,641,234 42 | 2,358,765 58 | 49,399 06 |
| 4,000,000 | July, 1939, | 523,388 10 | 1,337,163 46 | 2,662,836 54 | 52,268 53 |
| 10,000,000 | Jan., 1941, | 1,006,247 61 | 2,688,212 78 | 7,311,787 22 | 132,214 08 |
| 3,500,000 | Jan., 1942, | 323,285 13 | 889,767 61 | 2,610,232 39 | 45,024 06 |
| 2,000,000 | Jan., 1943, | 142,379 14 | 403,709 82 | 1,596,290 18 | 26,286 59 |
| 2,000,000 | Jan., 1944, | 115,540 02 | 337,510 64 | 1,662,489 36 | 26,155 45 |
| 650,000 | Jan., 1945, | 63,454 57 | 190,963 35 | 459,036 65 | 6,904 57 |
| 1,350,000 | Jan., 1946, | 54,345 36 | 168,492 92 | 1,181,507 08 | 17,001 93 |
| \$40,500,000 | — | \$5,628,856 56 | \$13,845,062 91 | \$26,654,937 09 | \$519,581 23 |

Computations for determining the Assessment for 1908. (See Chap. 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based on the ratio of its valuation of property to its consumption of water, with double weight being given to consumption. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each town's assessment, multiply the total assessment by the average ratio.]

| CITIES AND TOWNS. | Valuation May 1, 1908. | Average Daily Con- sumption (Gallons), 1908. | RATIO OF TOTALS. | | Average Ratio, Double Weight to Consumption. |
|-------------------------|---------------------------|--|------------------|--------------|---|
| | | | Valuation. | Consumption. | |
| Boston, | \$1,313,471,557 | 96,422,800 | .804183051 | .779676284 | .787845206 |
| Chelsea, | 26,411,450 | 3,761,000 | .016170613 | .030411505 | .025664541 |
| Everett, | 24,050,350 | 2,555,000 | .014725012 | .020659770 | .018681517 |
| Malden, | 32,759,650 | 1,867,600 | .020057347 | .015010443 | .016753411 |
| Medford, | 22,340,450 | 2,172,700 | .013678112 | .017568487 | .016271696 |
| Melrose, | 15,734,410 | 1,748,000 | .009633513 | .014134356 | .012634075 |
| Newton, ¹ | 13,504,737 | — | .008268379 | — | .002756126 |
| Quincy, | 27,170,555 | 2,996,900 | .016635381 | .024232981 | .021700448 |
| Somerville, | 61,527,750 | 6,548,400 | .037670838 | .052950466 | .047857257 |
| Arlington, | 10,887,550 | 939,800 | .006665986 | .007599238 | .007288154 |
| Belmont, | 5,994,920 | 331,100 | .003670436 | .002677280 | .003008332 |
| Hyde Park, ¹ | 2,721,106 | — | .001666018 | — | .000555339 |
| Lexington, | 6,209,800 | 324,000 | .003801998 | .002619869 | .003013912 |
| Milton, | 22,769,100 | 339,800 | .013940556 | .002747628 | .006478604 |
| Nahant, | 5,662,954 | 135,400 | .003467187 | .001094847 | .001885627 |
| Revere, | 14,352,175 | 1,240,700 | .008787230 | .010032320 | .009617290 |
| Stoneham, | 4,956,916 | 606,900 | .003034910 | .004907403 | .004283239 |
| Watertown, | 12,695,723 | 796,800 | .007773054 | .006442937 | .006886309 |
| Winthrop, | 10,078,075 | 883,400 | .006170379 | .007143186 | .006818917 |
| | \$1,633,299,228 | 123,670,300 | 1.000000000 | 1.000000000 | 1.000000000 |

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present these towns have a sufficient supply, and have not made application for water.

METROPOLITAN WATER LOAN.

*Division of the Assessment for 1908 into Cost of Maintenance,
Interest and Sinking Fund Requirements.*

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Cost of Maintenance. | Total Assessment. |
|-------------------|----------------|---------------|-------------------------|----------------------|
| Boston, . . . | \$1,129,453 48 | \$409,349 58 | \$250,576 05 | \$1,789,315 84 |
| Chelsea, . . . | 36,793 05 | 13,334 81 | 8,162 67 | 58,288 06 |
| Everett, . . . | 26,781 97 | 9,706 57 | 5,941 70 | 42,428 56 |
| Malden, . . . | 23,936 39 | 8,704 76 | 5,328 46 | 38,049 53 |
| Medford, . . . | 23,327 19 | 8,454 47 | 5,175 25 | 36,955 49 |
| Melrose, . . . | 18,112 32 | 6,564 43 | 4,018 30 | 28,693 90 |
| Newton, . . . | 3,950 96 | 1,432 03 | 876 59 | 6,259 58 |
| Quincy, . . . | 31,109 95 | 11,275 15 | 6,901 88 | 49,285 01 |
| Somerville, . . . | 68,608 53 | 24,865 73 | 15,221 12 | 108,691 08 |
| Arlington, . . . | 10,448 31 | 3,786 79 | 2,318 01 | 16,552 50 |
| Belmont, . . . | 4,312 71 | 1,563 07 | 956 81 | 6,832 38 |
| Hyde Park, . . . | 796 09 | 288 54 | 176 63 | 1,261 26 |
| Lexington, . . . | 4,320 71 | 1,565 97 | 958 58 | 6,845 05 |
| Milton, . . . | 9,287 42 | 3,366 16 | 2,060 54 | 14,713 89 |
| Nahant, . . . | 2,703 17 | 979 74 | 599 73 | 4,282 55 |
| Revere, . . . | 13,787 37 | 4,996 96 | 3,058 80 | 21,842 32 |
| Stoneham, . . . | 6,140 50 | 2,225 49 | 1,362 29 | 9,727 88 |
| Watertown, . . . | 9,872 17 | 3,578 00 | 2,190 21 | 15,639 86 |
| Winthrop, . . . | 9,775 62 | 3,542 98 | 2,168 77 | 15,486 79 |
| | \$1,433,517 91 | \$519,581 23 | \$318,052 39 | \$2,271,151 53 |

*Comparison of Total Assessments, 1907 and 1908, with Revenue
from Water Rates in 1907.*

| CITIES AND TOWNS. | WATER ASSESSMENTS. | | Water Revenue received by Cities and Towns. 1907. |
|-----------------------|--------------------|----------------|--|
| | 1907. | 1908. | |
| Boston, | \$1,726,588 68 | \$1,789,315 84 | \$2,626,589 77 ¹ |
| Chelsea, | 58,058 80 | 58,288 06 | 143,109 02 |
| Everett, | 41,044 26 | 42,428 56 | 88,325 78 ² |
| Malden, | 40,082 71 | 38,049 53 | 91,691 46 ¹ |
| Medford, | 35,126 98 | 36,955 49 | 68,218 82 ² |
| Melrose, | 26,971 19 | 28,693 90 | 53,189 54 ¹ |
| Newton, | 6,026 82 | 6,259 58 | — ³ |
| Quincy, | 50,027 14 | 49,285 01 | 112,546 37 ¹ |
| Somerville, | 106,334 61 | 108,691 08 | 235,138 12 ¹ |
| Arlington, | 14,738 41 | 16,552 50 | 45,671 46 |
| Belmont, | 6,026 81 | 6,832 38 | 17,089 76 ² |
| Hyde Park, | 1,194 73 | 1,261 26 | — ³ |
| Lexington, | 6,987 53 | 6,845 05 | 21,245 44 |
| Milton, | 14,532 00 | 14,713 89 | 45,232 41 |
| Nahant, | 4,204 56 | 4,282 55 | 9,312 99 |
| Revere, | 19,633 70 | 21,842 32 | 55,294 17 |
| Stoneham, | 7,734 91 | 9,727 88 | 24,411 32 |
| Watertown, | 15,468 18 | 15,639 86 | 50,762 21 ¹ |
| Winthrop, | 14,624 69 | 15,486 79 | 49,946 36 |
| | \$2,195,406 71 | \$2,271,151 53 | \$3,737,775 00 |

¹ No money received for hydrant rentals or water used for street watering and other municipal purposes.

² No money received for hydrant rentals or water used for street watering.

³ Not taking water from the district.

*Net Water Debt of Cities of the Original Metropolitan Water
District.*

| CITIES. | 1895. | 1907. | 1908. | CHANGE OF PAST YEAR. |
|-----------------------|-----------------|--------------------------|--------------------------|-------------------------|
| | | | | Reduction. |
| Boston, | \$9,316,500 43 | \$864,586 47 | \$736,720 63 | \$127,865 84 |
| Somerville, | 340,500 00 | 86,000 00 | 69,000 00 | 17,000 00 |
| Chelsea, | 282,577 00 | 189,176 00 | 183,784 00 | 5,392 00 |
| Everett, | 162,957 76 | 104,304 53 | 100,985 42 | 3,319 11 |
| Malden, | 515,738 30 | 128,951 09 | 109,214 63 | 19,736 46 |
| Medford, | 324,084 00 | — 17,294 96 ¹ | — 23,891 49 ¹ | 6,596 53 |
| Melrose, | 236,957 50 | 40,986 08 | 34,641 37 | 6,344 71 |
| | \$11,179,314 99 | \$1,396,709 21 | \$1,210,454 56 | \$186,254 65 |

¹ Amount in sinking fund greater than outstanding debt.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

The gross metropolitan parks debt, May 1, 1908, was . . . \$9,415,000 00
an increase for the year of \$125,000.

The sinking funds established for payment of same, May 1, 1908,
amounted to 1,499,000 42
an increase for the year of \$204,249.23.

The net metropolitan parks debt, May 1, 1908, was . . . \$7,915,999 58
a decrease for the year of \$79,249.23.

BOULEVARDS.

The gross metropolitan parks, series two, debt (boulevards) (one-
half), May 1, 1908, was \$2,542,500 00
showing no increase for the past year.

The sinking funds established for payment of same, May 1, 1908,
amounted to 358,786 66
an increase for the year of \$45,258.47.

The net metropolitan parks, series two (boulevards) debt, May 1,
1908, was \$2,183,713 34
a decrease for the year of \$45,258.47.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1908 is made up as follows:—

| | | |
|--|---------------------|----------------|
| Parks, sinking fund, | \$107,323 36 | |
| Parks, series two, sinking fund, | 30,731 00 | |
| Nantasket, sinking fund, | 7,991 68 | |
| | <hr/> | \$146,046 04 |
| Parks, interest:— | | |
| One year on \$8,590,000= | \$294,575 00 | |
| Six months on 425,000= | 7,437 50 | |
| | <hr/> | |
| | \$302,012 50 | |
| Interest on advances, 1907, | 1,911 25 | |
| Interest on advances, estimated, 1908, | 2,000 00 | |
| | <hr/> | |
| | \$305,923 75 | |
| Accrued interest, | 4,680 76 | |
| | <hr/> | \$301,242 99 |
| Parks, series two, interest:— | | |
| One year on \$2,542,500= | \$86,925 00 | |
| Six months on 150,000= | 2,625 00 | |
| | <hr/> | |
| | \$89,550 00 | |
| Accrued interest, | 1,667 50 | |
| | <hr/> | 87,882 50 |
| Nantasket, interest:— | | |
| One year on \$700,000= | 21,000 00 | |
| | <hr/> | 410,125 49 |
| Parks, maintenance, | \$325,000 00 | |
| Band concerts, | 25,000 00 | |
| Reimbursing parks loan fund for gypsy moth expenses, | 50,000 00 | |
| | <hr/> | \$400,000 00 |
| Parks, series two, maintenance (one-half), | 75,000 00 | |
| Nantasket, maintenance, | 23,500 00 | |
| | <hr/> | 498,500 00 |
| Wellington bridge, maintenance, | 3,428 50 | |
| Expense of improvement Commission, | 10,000 00 | |
| | <hr/> | |
| Total parks assessment for 1908, | | \$1,068,100 03 |

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

| | Total Sinking Fund. | Total Interest. | Total Maintenance. | Grand Total. |
|-------------------|------------------------|-----------------|-----------------------|-----------------------------|
| Boston, . . . | \$86,106 68 | \$241,561 78 | \$298,557 11 | \$626,225 57 |
| Cambridge, . . . | 7,631 97 | 21,418 92 | 26,304 21 | 55,355 10 |
| Chelsea, . . . | 2,149 58 | 6,056 77 | 6,955 03 | 15,161 38 |
| Everett, . . . | 2,420 43 | 6,843 82 | 7,380 25 | 16,644 50 |
| Lynn, . . . | 3,816 39 | 10,708 33 | 13,196 40 | 27,721 12 |
| Malden, . . . | 2,761 82 | 7,776 75 | 9,031 64 | 19,570 21 |
| Medford, . . . | 2,991 15 | 8,472 58 | 8,835 59 | 20,299 32 |
| Melrose, . . . | 1,067 63 | 2,995 05 | 3,702 21 | 7,764 89 |
| Newton, . . . | 4,812 93 | 13,502 04 | 16,688 25 | 35,003 22 |
| Quincy, . . . | 1,977 39 | 5,567 18 | 6,480 84 | 14,025 41 |
| Somerville, . . . | 4,224 14 | 11,864 37 | 14,380 43 | 30,468 94 |
| Waltham, . . . | 1,571 49 | 4,408 60 | 5,449 02 | 11,429 11 |
| Woburn, . . . | 768 83 | 2,156 84 | 2,666 19 | 5,591 86 |
| Arlington, . . . | 696 04 | 1,952 66 | 2,413 24 | 5,061 94 |
| Belmont, . . . | 423 46 | 1,187 98 | 1,468 18 | 3,079 62 |
| Braintree, . . . | 357 05 | 1,001 67 | 1,237 90 | 2,596 62 |
| Brookline, . . . | 6,899 82 | 19,356 51 | 23,924 95 | 50,181 28 |
| Canton, . . . | 284 88 | 799 16 | 987 91 | 2,071 95 |
| Cohasset, . . . | 29 25 | 76 86 | 86 01 | 192 12 |
| Dedham, . . . | 782 74 | 2,195 89 | 2,714 30 | 5,692 93 |
| Dover, . . . | 77 47 | 217 28 | 268 66 | 563 41 |
| Hingham, . . . | 337 84 | 947 76 | 1,171 10 | 2,456 70 |
| Hull, . . . | 295 86 | 830 00 | 1,026 06 | 2,151 92 |
| Hyde Park, . . . | 887 43 | 2,492 26 | 3,025 21 | 6,404 90 |
| Milton, . . . | 2,707 38 | 7,649 12 | 8,368 96 | 18,725 46 |
| Nahant, . . . | 676 81 | 1,907 82 | 2,174 51 | 4,759 14 |
| Needham, . . . | 288 87 | 810 38 | 1,001 88 | 2,101 13 |
| Revere, . . . | 2,341 36 | 6,651 83 | 6,542 30 | 15,535 49 |
| Saugus, . . . | 287 71 | 807 16 | 997 65 | 2,092 52 |
| Stoneham, . . . | 348 28 | 977 06 | 1,207 98 | 2,533 32 |
| Swampscott, . . . | 734 48 | 2,060 46 | 2,546 82 | 5,341 76 |
| Wakefield, . . . | 567 37 | 1,591 67 | 1,967 12 | 4,126 16 |
| Watertown, . . . | 871 38 | 2,444 52 | 3,021 58 | 6,337 48 |
| Wellesley, . . . | 809 03 | 2,269 63 | 2,805 50 | 5,884 16 |
| Weston, . . . | 471 81 | 1,323 62 | 1,635 90 | 3,431 33 |
| Westwood, . . . | 150 89 | 423 30 | 523 11 | 1,097 30 |
| Weymouth, . . . | 479 96 | 1,346 47 | 1,664 31 | 3,490 74 |
| Winchester, . . . | 1,349 02 | 3,817 82 | 4,048 05 | 9,214 89 |
| Winthrop, . . . | 589 42 | 1,653 57 | 2,043 64 | 4,286 63 |
| | \$146,046 04 | \$410,125 49 | \$498,500 00 | \$1,054,671 53 ¹ |

¹ Exclusive of \$20,866.67 special assessments for Wellington and Wellesley bridges, one-half maintenance of Wellington bridge paid by the district, and expense of Improvement Commission, which are included on page 2.

METROPOLITAN PARKS.

The total amount of bonds issued for the metropolitan parks is \$14,757,500, including one-half of those for the boulevards, also called series two, those for the improvement of the Charles River basin, \$185,317.42 for Wellington bridge and \$16,000 for Newton and Wellesley bridge.

Proportions to be paid Annually as found by Commissioners.

| | Parks. 1905-1909. | Boulevard. 1905-1909. | Nantasket. 1905-1909. |
|-----------------------|----------------------|--------------------------|--------------------------|
| Boston, | .62237 | .46716 | .62009 |
| Cambridge, | .05405 | .04558 | .05386 |
| Chelsea, | .01203 | .02482 | .01198 |
| Everett, | .01037 | .03986 | .01033 |
| Lynn, | .02733 | .02166 | .02723 |
| Malden, | .01613 | .02936 | .01607 |
| Medford, | .01081 | .05678 | .01077 |
| Melrose, | .00772 | .00578 | .00769 |
| Newton, | .03479 | .02610 | .03467 |
| Quincy, | .01165 | .02064 | .01161 |
| Somerville, | .02866 | .02994 | .02855 |
| Waltham, | .01136 | .00852 | .01132 |
| Woburn, | .00556 | .00416 | .00554 |
| Arlington, | .00503 | .00378 | .00501 |
| Belmont, | .00306 | .00230 | .00305 |
| Braintree, | .00258 | .00194 | .00257 |
| Brookline, | .04988 | .03740 | .04970 |
| Canton, | .00206 | .00154 | .00206 |
| Cohasset, | — | — | .00366 |
| Dedham, | .00566 | .00424 | .00563 |
| Dover, | .00056 | .00042 | .00056 |
| Hingham, | .00244 | .00184 | .00243 |
| Hull, | .00214 | .00160 | .00213 |
| Hyde Park, | .00605 | .00618 | .00603 |
| Milton, | .01240 | .04158 | .01236 |
| Nahant, | .00368 | .00822 | .00366 |
| Needham, | .00209 | .00156 | .00208 |
| Revere, | .00583 | .05432 | .00580 |
| Saugus, | .00208 | .00156 | .00207 |
| Stoneham, | .00252 | .00188 | .00251 |
| Swampscott, | .00531 | .00398 | .00529 |
| Wakefield, | .00410 | .00308 | .00409 |
| Watertown, | .00630 | .00472 | .00628 |
| Wellesley, | .00585 | .00438 | .00583 |
| Weston, | .00341 | .00256 | .00340 |
| Westwood, | .00109 | .00082 | .00109 |
| Weymouth, | .00347 | .00260 | .00346 |
| Winchester, | .00532 | .02394 | .00530 |
| Winthrop, | .00426 | .00320 | .00424 |
| | 1.00000 | 1.00000 | 1.00000 |

METROPOLITAN PARKS LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1907. | Amount of Dec. 1, 1907, Sinking Fund at Maturity of Loan, Accu- mulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Require- ments for 1908. |
|------------------|-------------|-------------------------------|--|--------------------------------|--|
| \$1,300,000 00 | Jan., 1934, | \$271,775 76 | \$589,447 20 | \$710,552 80 | \$18,373 65 |
| 2,000,000 00 | Jan., 1936, | 382,019 69 | 879,395 23 | 1,120,604 77 | 26,014 78 |
| 1,400,000 00 | Jan., 1937, | 255,863 07 | 606,789 49 | 793,210 51 | 17,480 20 |
| 1,000,000 00 | July, 1938, | 174,677 31 | 433,176 67 | 566,823 33 | 11,695 42 |
| 505,000 00 | July, 1939, | 82,895 21 | 211,782 51 | 293,217 49 | 5,755 54 |
| 650,000 00 | Jan., 1941, | 103,561 11 | 224,035 66 | 333,305 63 | 6,026 94 |
| 125,000 00 | Jan., 1943, | 10,881 02 | 30,852 65 | 94,147 35 | 1,550 36 |
| 340,000 00 | July, 1943, | 24,556 56 | 70,670 28 | 253,329 72 | 4,110 01 |
| 300,000 00 | Jan., 1944, | 19,161 26 | 55,973 06 | 244,026 94 | 3,839 21 |
| 370,000 00 | Jan., 1945, | 15,295 94 | 46,032 36 | 323,967 64 | 4,872 94 |
| 300,000 00 | Jan., 1946, | 13,474 02 | 41,774 99 | 258,225 01 | 3,715 87 |
| 300,000 00 | Jan., 1947, | 5,550 00 | 17,727 36 | 282,272 64 | 3,888 44 |
| 125,000 00 | Jan., 1928, | — | — | — | — |
| \$8,715,000 00 | | \$1,359,710 95 | \$3,207,657 46 | \$5,273,683 83 | \$107,323 36 |

Nantasket.

| | | | | | |
|--------------|-------------|--------------|--------------|--------------|------------|
| \$600,000 00 | July, 1939, | \$100,399 39 | \$256,502 57 | \$343,497 43 | \$6,742 48 |
| 100,000 00 | Jan., 1941, | 11,572 53 | 30,916 27 | 69,083 73 | 1,249 20 |
| \$700,000 00 | | \$111,971 92 | \$287,418 84 | \$412,581 16 | \$7,991 68 |

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARD) (ONE-HALF).

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1907. | Amount of Dec. 1, 1907, Sinking Fund at Maturity of Loan Accu- mulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Requirements for 1908. |
|------------------|-------------|-------------------------------|---|--------------------------------|---|
| \$250,000 | Jan., 1934, | \$55,855 55 | \$121,143 61 | \$128,856 39 | \$3,235 |
| 300,000 | Jan., 1936, | 61,257 37 | 141,012 21 | 158,987 79 | 3,583 |
| 500,000 | Jan., 1937, | 97,694 79 | 231,687 10 | 268,312 90 | 5,740 |
| 50,000 | July, 1938, | 9,333 00 | 22,802 57 | 27,197 43 | 542 |
| 250,000 | July, 1939, | 44,709 94 | 112,537 87 | 137,462 13 | 2,608 |
| 162,500 | July, 1940, | 24,410 43 | 63,299 77 | 99,200 23 | 1,794 |
| 225,000 | Jan., 1940, | 23,489 31 | 60,911 17 | 164,088 83 | 3,022 |
| 55,000 | Jan., 1943, | 5,044 31 | 14,302 92 | 40,697 08 | 651 |
| 150,000 | July, 1943, | 10,349 05 | 29,344 28 | 120,655 72 | 1,899 |
| 150,000 | Jan., 1944, | 9,971 76 | 29,129 09 | 120,870 91 | 1,846 |
| 150,000 | Jan., 1945, | 6,291 67 | 18,934 47 | 131,065 53 | 1,914 |
| 150,000 | Jan., 1946, | 2,006 00 | 6,219 42 | 143,780 58 | 2,009 |
| 150,000 | Jan., 1947, | 2,775 00 | 8,863 68 | 141,136 32 | 1,888 |
| \$2,542,500 | | \$353,188 18 | \$860,188 16 | \$1,682,311 84 | \$30,731 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Sinking Fund Requirements.

| CITIES AND TOWNS. | Parks. | Boulevard. | Nantasket. | Total. |
|-------------------|--------------|-------------|------------|--------------|
| Boston, . . . | \$66,794 83 | \$14,356 29 | \$4,955 56 | \$86,106 68 |
| Cambridge, . . . | 5,800 82 | 1,400 72 | 430 43 | 7,631 97 |
| Chelsea, . . . | 1,291 10 | 762 74 | 95 74 | 2,149 58 |
| Everett, . . . | 1,112 94 | 1,224 94 | 82 55 | 2,420 43 |
| Lynn, . . . | 2,933 14 | 665 63 | 217 62 | 3,816 39 |
| Malden, . . . | 1,731 13 | 902 26 | 128 43 | 2,761 82 |
| Medford, . . . | 1,160 17 | 1,744 91 | 86 07 | 2,991 15 |
| Melrose, . . . | 828 54 | 177 63 | 61 46 | 1,067 63 |
| Newton, . . . | 3,733 78 | 802 08 | 277 07 | 4,812 93 |
| Quincy, . . . | 1,250 32 | 634 29 | 92 78 | 1,977 39 |
| Somerville, . . . | 3,075 89 | 920 09 | 228 16 | 4,224 14 |
| Waltham, . . . | 1,219 19 | 261 83 | 90 47 | 1,571 49 |
| Woburn, . . . | 596 72 | 127 84 | 44 27 | 768 83 |
| Arlington, . . . | 539 84 | 116 16 | 40 04 | 696 04 |
| Belmont, . . . | 328 41 | 70 68 | 24 37 | 423 46 |
| Braintree, . . . | 276 89 | 59 62 | 20 54 | 357 05 |
| Brookline, . . . | 5,353 29 | 1,149 34 | 397 19 | 6,899 82 |
| Canton, . . . | 221 09 | 47 33 | 16 46 | 284 88 |
| Cohasset, . . . | - | - | 29 25 | 29 25 |
| Dedham, . . . | 607 45 | 130 30 | 44 99 | 782 74 |
| Dover, . . . | 60 10 | 12 90 | 4 47 | 77 47 |
| Hingham, . . . | 261 87 | 56 55 | 19 42 | 337 84 |
| Hull, . . . | 229 67 | 49 17 | 17 02 | 295 86 |
| Hyde Park, . . . | 649 31 | 189 92 | 48 20 | 887 43 |
| Milton, . . . | 1,330 81 | 1,277 79 | 98 78 | 2,707 38 |
| Nahant, . . . | 394 95 | 252 61 | 29 25 | 676 81 |
| Needham, . . . | 224 31 | 47 94 | 16 62 | 288 87 |
| Revere, . . . | 625 70 | 1,669 31 | 46 35 | 2,341 36 |
| Saugus, . . . | 223 23 | 47 94 | 16 54 | 287 71 |
| Stoneham, . . . | 270 45 | 57 77 | 20 06 | 348 28 |
| Swampscott, . . . | 569 89 | 122 31 | 42 28 | 734 48 |
| Wakefield, . . . | 440 03 | 94 65 | 32 69 | 567 37 |
| Watertown, . . . | 676 14 | 145 05 | 50 19 | 871 38 |
| Wellesley, . . . | 627 84 | 134 60 | 46 59 | 809 03 |
| Weston, . . . | 365 97 | 78 67 | 27 17 | 471 81 |
| Westwood, . . . | 116 98 | 25 20 | 8 71 | 150 89 |
| Weymouth, . . . | 372 41 | 79 90 | 27 65 | 479 96 |
| Winchester, . . . | 570 96 | 735 70 | 42 36 | 1,349 02 |
| Winthrop, . . . | 457 20 | 98 34 | 33 88 | 589 42 |
| | \$107,323 36 | \$30,731 00 | \$7,991 68 | \$146,046 04 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Interest Requirements.

| CITIES AND TOWNS. | Parks. | Boulevard. | Nantasket. | Total. |
|-------------------|--------------|-------------|-------------|--------------|
| Boston, . . . | \$187,484 70 | \$41,055 19 | \$13,021 89 | \$241,561 78 |
| Cambridge, . . . | 16,282 18 | 4,005 68 | 1,131 06 | 21,418 92 |
| Chelsea, . . . | 3,623 95 | 2,181 24 | 251 58 | 6,056 77 |
| Everett, . . . | 3,123 89 | 3,503 00 | 216 93 | 6,843 82 |
| Lynn, . . . | 8,232 97 | 1,903 53 | 571 83 | 10,708 33 |
| Malden, . . . | 4,859 05 | 2,580 23 | 337 47 | 7,776 75 |
| Medford, . . . | 3,256 44 | 4,989 97 | 226 17 | 8,472 58 |
| Melrose, . . . | 2,325 60 | 507 96 | 161 49 | 2,995 05 |
| Newton, . . . | 10,480 24 | 2,293 73 | 728 07 | 13,502 04 |
| Quincy, . . . | 3,509 48 | 1,813 89 | 243 81 | 5,567 18 |
| Somerville, . . . | 8,633 62 | 2,631 20 | 599 55 | 11,864 37 |
| Waltham, . . . | 3,422 12 | 748 76 | 237 72 | 4,408 60 |
| Woburn, . . . | 1,674 91 | 365 59 | 116 34 | 2,156 84 |
| Arlington, . . . | 1,515 25 | 332 20 | 105 21 | 1,952 66 |
| Belmont, . . . | 921 80 | 202 13 | 64 05 | 1,187 98 |
| Braintree, . . . | 777 21 | 170 49 | 53 97 | 1,001 67 |
| Brookline, . . . | 15,026 00 | 3,286 81 | 1,043 70 | 19,356 51 |
| Canton, . . . | 620 56 | 135 34 | 43 26 | 799 16 |
| Cohasset, . . . | — | — | 76 86 | 76 86 |
| Dedham, . . . | 1,705 04 | 372 62 | 118 23 | 2,195 89 |
| Dover, . . . | 168 61 | 36 91 | 11 76 | 217 28 |
| Hingham, . . . | 735 03 | 161 70 | 51 03 | 947 76 |
| Hull, . . . | 644 66 | 140 61 | 44 73 | 830 00 |
| Hyde Park, . . . | 1,822 52 | 543 11 | 126 63 | 2,492 26 |
| Milton, . . . | 3,735 41 | 3,654 15 | 259 56 | 7,649 12 |
| Nahant, . . . | 1,108 57 | 722 39 | 76 86 | 1,907 82 |
| Needham, . . . | 629 60 | 137 10 | 43 68 | 810 38 |
| Revere, . . . | 1,756 25 | 4,773 78 | 121 80 | 6,651 83 |
| Saugus, . . . | 626 59 | 137 10 | 43 47 | 807 16 |
| Stoneham, . . . | 759 13 | 165 22 | 52 71 | 977 06 |
| Swampscott, . . . | 1,599 60 | 349 77 | 111 09 | 2,060 46 |
| Wakefield, . . . | 1,235 10 | 270 68 | 85 89 | 1,591 67 |
| Watertown, . . . | 1,897 83 | 414 81 | 131 88 | 2,444 52 |
| Wellesley, . . . | 1,762 27 | 384 93 | 122 43 | 2,269 63 |
| Weston, . . . | 1,027 24 | 224 98 | 71 40 | 1,323 62 |
| Westwood, . . . | 328 35 | 72 06 | 22 89 | 423 30 |
| Weymouth, . . . | 1,045 31 | 228 50 | 72 66 | 1,346 47 |
| Winchester, . . . | 1,602 61 | 2,103 91 | 111 30 | 3,817 82 |
| Winthrop, . . . | 1,283 30 | 281 23 | 89 04 | 1,653 57 |
| | \$301,242 99 | \$87,882 50 | \$21,000 00 | \$410,125 49 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Maintenance Requirements.

| CITIES AND TOWNS. | Parks. | Boulevard. | Nantasket. | Total. |
|-------------------|--------------|-------------|-------------|--------------|
| Boston, | \$248,948 00 | \$35,037 00 | \$14,572 11 | \$298,557 11 |
| Cambridge, . . . | 21,620 00 | 3,418 50 | 1,265 71 | 26,304 21 |
| Chelsea, | 4,812 00 | 1,861 50 | 281 53 | 6,955 03 |
| Everett, | 4,148 00 | 2,989 50 | 242 75 | 7,380 25 |
| Lynn, | 10,932 00 | 1,624 50 | 639 90 | 13,196 40 |
| Malden, | 6,452 00 | 2,202 00 | 377 64 | 9,031 64 |
| Medford, | 4,324 00 | 4,258 50 | 253 09 | 8,835 59 |
| Melrose, | 3,088 00 | 433 50 | 180 71 | 3,702 21 |
| Newton, | 13,916 00 | 1,957 50 | 814 75 | 16,688 25 |
| Quincy, | 4,660 00 | 1,548 00 | 272 84 | 6,480 84 |
| Somerville, . . . | 11,464 00 | 2,245 50 | 670 93 | 14,380 43 |
| Waltham, | 4,544 00 | 639 00 | 266 02 | 5,449 02 |
| Woburn, | 2,224 00 | 312 00 | 130 19 | 2,666 19 |
| Arlington, . . . | 2,012 00 | 283 50 | 117 74 | 2,413 24 |
| Belmont, | 1,224 00 | 172 50 | 71 68 | 1,468 18 |
| Braintree, . . . | 1,032 00 | 145 50 | 60 40 | 1,237 90 |
| Brookline, . . . | 19,952 00 | 2,805 00 | 1,167 95 | 23,924 95 |
| Canton, | 824 00 | 115 50 | 48 41 | 987 91 |
| Cohasset, | - | - | 86 01 | 86 01 |
| Dedham, | 2,264 00 | 318 00 | 132 30 | 2,714 30 |
| Dover, | 224 00 | 31 50 | 13 16 | 268 66 |
| Hingham, | 976 00 | 138 00 | 57 10 | 1,171 10 |
| Hull, | 856 00 | 120 00 | 50 06 | 1,026 06 |
| Hyde Park, . . . | 2,420 00 | 463 50 | 141 71 | 3,025 21 |
| Milton, | 4,960 00 | 3,118 50 | 290 46 | 8,368 96 |
| Nahant, | 1,472 00 | 616 50 | 86 01 | 2,174 51 |
| Needham, | 836 00 | 117 00 | 48 88 | 1,001 88 |
| Revere, | 2,332 00 | 4,074 00 | 136 30 | 6,542 30 |
| Saugus, | 832 00 | 117 00 | 48 65 | 997 65 |
| Stoneham, | 1,008 00 | 141 00 | 58 98 | 1,207 98 |
| Swampscott, . . . | 2,124 00 | 298 50 | 124 32 | 2,546 82 |
| Wakefield, . . . | 1,640 00 | 231 00 | 96 12 | 1,967 12 |
| Watertown, . . . | 2,520 00 | 354 00 | 147 58 | 3,021 58 |
| Wellesley, . . . | 2,310 00 | 328 50 | 137 00 | 2,805 50 |
| Weston, | 1,364 00 | 192 00 | 79 90 | 1,635 90 |
| Westwood, | 436 00 | 61 50 | 25 61 | 523 11 |
| Weymouth, . . . | 1,388 00 | 195 00 | 81 31 | 1,664 31 |
| Winchester, . . . | 2,128 00 | 1,795 50 | 124 55 | 4,048 05 |
| Winthrop, | 1,704 00 | 240 00 | 99 64 | 2,043 64 |
| | \$400,000 00 | \$75,000 00 | \$23,500 00 | \$498,500 00 |

Wellington Bridge, Special Assessment (Chapter 491, Acts of 1901).

[One-fifth of one-half of the cost of the bridge due each year for five years.]

First Assessment, 1906.

| | Per Cent. | Assessment. | Interest. | Maintenance. | Total Assessment. |
|--------------------------------|-----------|-------------|------------|--------------|-------------------|
| Malden, ¹ | 14 | — | — | \$959 98 | \$959 98 |
| Medford, | 19 | \$7,042 06 | \$1,026 73 | 1,302 83 | 9,371 62 |
| Reading, | 1 | 370 64 | 54 04 | 68 57 | 493 25 |
| Somerville, | 12½ | 4,632 94 | 675 48 | 857 12 | 6,165 54 |
| Stoneham, | 3½ | 1,297 22 | 189 14 | 240 00 | 1,726 36 |
| | | \$13,342 86 | \$1,945 39 | \$3,428 50 | \$18,716 75 |

¹ Paid the whole original assessment in 1906.*Newton and Wellesley Bridge. (Chapter 391, Acts of 1903.)*

| | Assessment. | Interest. | Total. |
|---|-------------|-----------|------------|
| Newton, | \$1,200 00 | \$233 28 | \$1,433 28 |
| Wellesley, | 600 00 | 116 64 | 716 64 |
| Middlesex County, | 500 00 | 97 20 | 597 20 |
| Norfolk County, | 500 00 | 97 20 | 597 20 |
| Boston & Worcester Street Rail- way, | 400 00 | 77 76 | 477 76 |
| | \$3,200 00 | \$622 08 | \$3,822 08 |

CHARLES RIVER BASIN.

Chapter 465, Acts of 1903, authorized the building of a dam across Charles River by a special commission, and the payment therefor by a special loan by the Commonwealth, to be apportioned, assessed and repaid in the manner provided for the park loan.

| DATE OF SALE. | Bonds Issued. | Rate of Interest (Per Cent). | Price received. | Due Date. |
|--------------------------|---------------|-------------------------------|-----------------|---------------|
| Jan. 15, 1904, | \$250,000 | 3½ | 104.600 | Jan. 1, 1944. |
| Mar. 24, 1905, | 80,000 | 3½ | 106.175 | Jan. 1, 1945. |
| Mar. 24, 1905, | 320,000 | 3½ | 105.553 | Jan. 1, 1945. |
| June 28, 1906, | 600,000 | 3½ | 103.090 | Jan. 1, 1946. |
| Apr. 3, 1907, | 1,150,000 | 3½ | 101.850 | Jan. 1, 1947. |
| Apr. 7, 1908, | 400,000 | 3½ | 101.400 | Jan. 1, 1948. |

No apportionment made as yet. See report of commissioners for reasons therefor.

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

| | |
|---|-----------------------|
| The gross metropolitan sewerage, north system, debt, May 1, 1908, was | \$6,150,000 00 |
| showing no increase for the past year. | |
| The sinking fund established for payment of same, May 1, 1908, amounted to | 891,155 35 |
| an increase for the year of \$89,988.24. | |
| The net metropolitan sewerage, north system, debt, May 1, 1908, was | <u>\$5,258,844 65</u> |
| a decrease for the year of \$89,988 24. | |

Assessments, North System.

| | |
|---|-------------------|
| Sinking fund, | \$54,569 65 |
| One year's interest on \$6,150,000, | \$188,750 00 |
| Interest on advances, 1907, | 1,090 19 |
| Interest on advances, estimated, 1908, | 1,500 00 |
| | <u>191,340 19</u> |
| Maintenance, | \$186,000 00 |
| Less balance on hand Dec. 1, 1907, | 5,642 00 |
| | <u>180,358 00</u> |
| Total north metropolitan sewerage assessment, | \$426,267 84 |

STATEMENT IV.

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

| | |
|--|-----------------------|
| The gross metropolitan sewerage, south system, debt, May 1, 1908, was | \$8,877,912 00 |
| an increase for the year of \$700,000. | |
| The sinking funds established for payment of same, May 1, 1908, amounted to | 441,237 25 |
| an increase for the year of \$76,941.67. | |
| The net metropolitan sewerage, south system, debt, May 1, 1908, was | <u>\$8,436,674 75</u> |
| an increase for the year of \$623,058.33. | |

Assessments, South System.

| | |
|---|---------------------|
| Sinking fund, | \$54,712 28 |
| One year's interest on \$8,177,912, | \$274,277 36 |
| Six months' interest on \$1,021,000, | 17,867 50 |
| Interest on advances, 1907, | 3,642 59 |
| Interest on advances, estimated, 1908, | 3,500 00 |
| | <u>\$299,287 45</u> |
| Accrued interest, | 4,605 03 |
| | <u>294,682 42</u> |
| Maintenance, | \$ 105,000 00 |
| Less balance on hand Dec. 1, 1907, | 3,653 32 |
| | <u>101,346 68</u> |
| Total south metropolitan sewerage assessment, | \$450,741 38 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, REQUIREMENTS.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Maintenance. | Total. |
|-------------------|--------------|---------------|--------------|--------------|
| Arlington, . . | \$4,534 76 | \$1,293 30 | \$3,679 30 | \$9,507 36 |
| Belmont, . . | 2,755 30 | 785 80 | 1,659 29 | 5,200 39 |
| Boston, . . | 31,475 46 | 8,976 71 | 34,809 09 | 75,261 26 |
| Cambridge, . . | 48,734 35 | 13,898 89 | 37,135 71 | 99,768 95 |
| Chelsea, . . | 10,848 99 | 3,094 10 | 14,212 21 | 28,155 30 |
| Everett, . . | 9,337 40 | 2,663 00 | 11,092 02 | 23,092 42 |
| Lexington, . . | 1,722 06 | 491 13 | 1,424 83 | 3,638 02 |
| Malden, . . | 14,541 85 | 4,147 29 | 14,500 78 | 33,189 92 |
| Medford, . . | 9,739 22 | 2,777 60 | 7,502 89 | 20,019 71 |
| Melrose, . . | 6,964 78 | 1,986 34 | 5,446 81 | 14,397 93 |
| Revere, . . | 5,261 86 | 1,500 67 | 4,833 59 | 11,596 12 |
| Somerville, . . | 25,830 93 | 7,366 90 | 26,404 42 | 59,602 25 |
| Stoneham, . . | 2,276 95 | 649 38 | 2,416 80 | 5,343 13 |
| Wakefield, . . | 3,692 87 | 1,053 19 | 3,913 77 | 8,659 83 |
| Winchester, . . | 4,783 50 | 1,364 24 | 3,138 23 | 9,285 97 |
| Winthrop, . . | 3,826 80 | 1,091 39 | 2,687 34 | 7,605 53 |
| Woburn, . . | 5,013 11 | 1,429 72 | 5,500 92 | 11,943 75 |
| | \$191,340 19 | \$54,569 65 | \$180,358 00 | \$426,267 84 |

METROPOLITAN SEWERAGE LOAN (NORTH SYSTEM) SINKING FUND.

| BONDS ISSUED AND AMOUNT PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1907. | Amount of Dec. 1, 1907, Sinking Fund at Maturity of Loan, Accu- mulations at 3 Per Cent. | Balance. | Proportion of Balance to be provided for this Year. | Sinking Fund Require- ments for 1908. |
|---|----------------------|----------------------------------|--|----------------|--|---|
| \$5,330,000 (1,376,916) | Jan., 1930, Sunk. | \$819,424 69 | \$1,577,665 39 | \$5,129,250 61 | \$85,487 51 ($\frac{1}{60}$) | \$45,743 45 |
| 465,000 (91,000) | Jan., 1930, Sunk. | 51,990 44 | 100,098 91 | 455,901 09 | 13,297 11 ($\frac{7}{240}$) | 7,115 15 |
| 250,000 (15,625) | July, 1943, Sunk. | 5,925 71 | 17,054 12 | 248,570 88 | 3,107 13 ($\frac{1}{80}$) | 1,112 26 |
| 50,000 (3,125) | Jan., 1943, Sunk. | 1,188 58 | 3,370 17 | 49,754 83 | 621 93 ($\frac{1}{80}$) | 225 97 |
| 55,000 (1,145) | July, 1943, Sunk. | 2,138 13 | 6,153 51 | 49,991 49 | 1,041 48 ($\frac{1}{48}$) | 372 82 |
| \$6,150,000 (1,487,811) | - Sunk. | \$880,667 55 | \$1,704,342 10 | \$5,933,468 90 | \$103,555 16 | \$54,569 65 |

METROPOLITAN SEWERAGE LOAN.

North System.

| BONDS ISSUED. | Due Date. | Amount provided for. | Amount to be provided for. | 1908. |
|---------------|-----------|------------------------------|--|-----------------|
| \$5,330,000 | 1930 | $\frac{1}{8} + \frac{8}{60}$ | $\frac{2}{60} + \frac{1}{8} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 265,000 | 1930 | $\frac{56}{240}$ | $\frac{14}{240} + \frac{1}{3} + \frac{3}{8}$ | $\frac{7}{240}$ |
| 200,000 | 1930 | $\frac{25}{240}$ | $\frac{14}{240} + \frac{1}{3} + \frac{1}{240}$ | $\frac{7}{240}$ |
| 300,000 | 1943 | $\frac{5}{80}$ | $\frac{5}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 55,000 | 1943 | $\frac{1}{48}$ | $\frac{5}{48} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{48}$ |

*Proportions for Interest and Sinking Fund Requirements under
Chapter 369, Acts of 1906, North System.*

| CITIES AND TOWNS. | State Valuation 1904. | Ratios in Per- centages. | CITIES AND TOWNS. | State Valuation 1904. | Ratios in Per- centages. |
|------------------------|--------------------------|--------------------------------|-------------------|--------------------------|--------------------------------|
| Arlington, . | \$10,308,560 | 2.37 | Revere, . | \$11,950,017 | 2.75 |
| Belmont, . | 6,278,506 | 1.44 | Somerville, . | 58,777,146 | 13.50 |
| Boston, ¹ . | 71,593,802 | 16.45 | Stoneham, . | 5,166,724 | 1.19 |
| Cambridge, . | 110,858,351 | 25.47 | Wakefield, . | 8,412,917 | 1.93 |
| Chelsea, . | 24,664,023 | 5.67 | Winchester, . | 10,901,591 | 2.50 |
| Everett, . | 21,264,833 | 4.88 | Winthrop, . | 8,725,731 | 2.00 |
| Lexington, . | 3,918,599 ² | 0.90 | Woburn, . | 11,405,100 | 2.62 |
| Malden, . | 33,087,338 | 7.60 | | | |
| Medford, . | 22,169,475 | 5.09 | | \$435,310,620 | 100.00 |
| Melrose, . | 15,827,907 | 3.64 | | | |

¹ Charlestown and East Boston.

² 59.85 per cent. of the town valuation derived from figures furnished by the clerk of the board of assessors.

*Proportions for the Cost of Maintenance and Operation, North
System.*

| CITIES AND TOWNS. | Population State Census 1905. | Ratios in Per- centages. | CITIES AND TOWNS. | Population State Census 1905. | Ratios in Per- centages. |
|------------------------|-------------------------------------|--------------------------------|-------------------|-------------------------------------|--------------------------------|
| Arlington, . | 9,668 | 2.04 | Revere, . | 12,659 | 2.68 |
| Belmont, . | 4,360 | 0.92 | Somerville, . | 69,272 | 14.64 |
| Boston, ¹ . | 91,317 | 19.30 | Stoneham, . | 6,332 | 1.34 |
| Cambridge, . | 97,434 | 20.59 | Wakefield, . | 10,268 | 2.17 |
| Chelsea, . | 37,289 | 7.88 | Winchester, . | 8,242 | 1.74 |
| Everett, . | 29,111 | 6.15 | Winthrop, . | 7,034 | 1.49 |
| Lexington, . | 3,750 ² | 0.79 | Woburn, . | 14,402 | 3.05 |
| Malden, . | 38,037 | 8.04 | | | |
| Medford, . | 19,686 | 4.16 | | 473,156 | 100.00 |
| Melrose, . | 14,295 | 3.02 | | | |

¹ Charlestown and East Boston.

² Population of Lexington sewerage district certified by the clerk of the assessors.

METROPOLITAN SEWERAGE LOAN.

South System.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Maintenance. | Total Assessment. |
|-------------------|--------------|---------------|--------------|-------------------|
| Boston, . . . | \$117,814 03 | \$21,873 97 | \$47,146 48 | \$186,834 48 |
| Brookline, . . . | 64,034 49 | 11,888 98 | 7,834 10 | 83,757 57 |
| Dedham, . . . | 6,866 10 | 1,274 80 | 2,928 92 | 11,069 82 |
| Hyde Park, . . . | 7,779 62 | 1,444 40 | 5,209 22 | 14,433 24 |
| Milton, . . . | 15,912 85 | 2,954 46 | 2,584 34 | 21,451 65 |
| Newton, . . . | 44,673 85 | 8,294 38 | 13,205 47 | 66,173 70 |
| Quincy, . . . | 14,940 40 | 2,773 91 | 9,394 84 | 27,109 15 |
| Waltham, . . . | 14,586 78 | 2,708 26 | 9,232 68 | 26,527 72 |
| Watertown, . . . | 8,074 30 | 1,499 12 | 3,810 63 | 13,384 05 |
| | \$294,682 42 | \$54,712 28 | \$101,346 68 | \$450,741 38 |

METROPOLITAN SEWERAGE LOAN (SOUTH SYSTEM) SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1907. | Amount of Dec. 1, 1907, Sinking Fund at Maturity of Loan Accu- mulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Require- ments for 1908. |
|---|----------------------|----------------------------------|---|-----------------|---|---|
| \$800,000 (206,666) | Jan., 1930, Sunk. | \$120,618 02 | \$232,229 85 | \$774,436 15 | \$12,907 26 ($\frac{1}{60}$) | \$6,906 54 |
| 839,000 (146,825) | Mar., 1935, Sunk. | 72,949 38 | 164,222 60 | 821,602 40 | 13,693 37 ($\frac{1}{60}$) | 6,266 60 |
| 65,000 (10,292) | Mar., 1936, Sunk. | 4,906 86 | 11,380 08 | 63,911 92 | 1,065 19 ($\frac{1}{60}$) | 473 17 |
| 14,000 (1,458) | July, 1939, Sunk. | 616 15 | 1,574 15 | 13,883 85 | 289 24 ($\frac{1}{48}$) | 116 64 |
| 10,912 (1,193) | July, 1939, Sunk. | 515 93 | 1,318 11 | 10,786 89 | 168 54 ($\frac{1}{64}$) | 67 97 |
| 1,000,000 (111,111) | July, 1939, Sunk. | 48,440 03 | 123,755 66 | 987,355 34 | 13,713 26 ($\frac{1}{72}$) | 5,529 84 |
| 2,000,000 (187,500) | July, 1940, Sunk. | 78,018 72 | 205,348 51 | 1,982,151 49 | 30,971 11 ($\frac{1}{64}$) | 12,122 61 |
| 1,586,000 (141,607) | July, 1940, Sunk. | 58,270 24 | 153,369 69 | 1,574,237 31 | 28,111 38 ($\frac{1}{56}$) | 11,003 27 |
| 996,000 (62,250) | Jan., 1943, Sunk. | 23,453 84 | 66,502 34 | 991,747 66 | 12,396 84 ($\frac{1}{60}$) | 4,504 23 |
| 392,000 (16,333) | July, 1944, Sunk. | 5,632 70 | 16,700 82 | 391,632 18 | 5,439 33 ($\frac{1}{72}$) | 1,889 98 |
| 175,000 (2,430) | Jan., 1946, Sunk. | 6,295 15 | 19,517 55 | 157,912 45 | 2,193 22 ($\frac{1}{72}$) | 728 78 |
| 300,000 700,000 | Jan., 1946, Sunk. | 5,550 00 - | 17,207 28 - | 282,792 72 - | 4,418 63 ($\frac{1}{64}$) 10,937 50 ($\frac{1}{64}$) | 1,468 26 3,634 39 |
| \$8,877,912 (887,665) | - Sunk. | \$425,267 02 | \$1,013,126 64 | \$8,052,450 36 | \$136,304 87 | \$54,712 28 |

METROPOLITAN SEWERAGE LOAN (SOUTH SYSTEM).

Amounts provided for and to be provided for.

| DUE DATES. | Bonds issued. | Amount provided for. | Amount to be provided for. | 1908. |
|---------------|---------------|------------------------------|--|----------------|
| 1930, | \$800,000 | $\frac{1}{8} + \frac{8}{60}$ | $\frac{2}{60} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{60}$ |
| 1935, | \$839,000 | $\frac{1}{8} + \frac{8}{60}$ | $\frac{7}{60} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{60}$ |
| 1936, | \$65,000 | $\frac{1}{8} + \frac{2}{60}$ | $\frac{8}{60} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{60}$ |
| 1939, | \$14,000 | $\frac{5}{48}$ | $\frac{1}{48} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{48}$ |
| 1939, | 10,912 | $\frac{7}{64}$ | $\frac{1}{64} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{64}$ |
| 1939, | 1,000,000 | $\frac{8}{72}$ | $\frac{1}{72} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{72}$ |
| | \$1,024,912 | | | |
| 1940, | \$2,000,000 | $\frac{6}{64}$ | $\frac{2}{64} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{64}$ |
| 1940, | 1,586,000 | $\frac{5}{56}$ | $\frac{2}{56} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{56}$ |
| | \$3,586,000 | | | |
| 1943, | \$996,000 | $\frac{5}{80}$ | $\frac{5}{80} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{80}$ |
| 1944, | \$392,000 | $\frac{3}{72}$ | $\frac{6}{72} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{72}$ |
| 1946, | \$175,000 | $\frac{1}{72}$ | $\frac{8}{72} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{72}$ |
| 1946, | 1,000,000 | — | $\frac{8}{64} + \frac{1}{6} + \frac{1}{3} + \frac{8}{8}$ | $\frac{1}{64}$ |
| | \$1,175,000 | | | |

Proportions for Annual Payments for Cost of Maintenance, Operation, Interest and Sinking Fund Requirements, South System.

| CITIES AND TOWNS. | Population. 1900. | Proportion for Maintenance and Operation (Per Cent.). | Valuation. | Proportion for Interest and Sinking Funds (Per Cent.). |
|--------------------|----------------------|--|---------------|---|
| Boston, | 119,921 | 46.52 | \$188,227,950 | 39.98 |
| Brookline, | 19,935 | 7.73 | 102,306,308 | 21.73 |
| Dedham, | 7,457 | 2.89 | 10,965,988 | 2.33 |
| Hyde Park, | 13,244 | 5.14 | 12,415,331 | 2.64 |
| Milton, | 6,578 | 2.55 | 25,435,822 | 5.40 |
| Newton, | 33,587 | 13.03 | 71,356,289 | 15.16 |
| Quincy, | 23,899 | 9.27 | 23,894,528 | 5.07 |
| Waltham, | 23,481 | 9.11 | 23,297,415 | 4.95 |
| Watertown, | 9,706 | 3.76 | 12,921,271 | 2.74 |
| | 257,808 | 100.00 | \$470,820,902 | 100.00 |

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1907 and 1908.

| CITIES AND TOWNS. | PARKS. | | SEWER. | |
|-------------------|--------------|-----------------------------|--------------|--------------|
| | 1907. | 1908. | 1907. | 1908. |
| Boston, . . . | \$579,316 57 | \$634,583 07 | \$254,346 26 | \$262,095 74 |
| Cambridge, . . | 51,181 40 | 56,080 91 | 64,323 01 | 99,768 95 |
| Chelsea, . . . | 13,940 08 | 15,322 92 | 17,399 54 | 28,155 30 |
| Everett, . . . | 15,223 73 | 16,783 75 | 14,384 62 | 23,092 42 |
| Lynn, | 25,638 40 | 28,088 12 | — | — |
| Malden, . . . | 18,477 44 | 20,746 79 | 20,965 22 | 33,189 92 |
| Medford, . . . | 27,406 38 | 29,816 10 | 12,896 77 | 20,019 71 |
| Melrose, . . . | 7,183 32 | 7,868 56 | 9,264 95 | 14,397 93 |
| Newton, . . . | 33,963 61 | 36,903 68 | 74,512 24 | 66,173 70 |
| Quincy, . . . | 12,910 28 | 14,181 85 | 29,239 00 | 27,109 15 |
| Somerville, . . | 33,990 66 | 37,019 34 | 37,575 77 | 59,602 25 |
| Waltham, . . . | 10,573 02 | 11,581 66 | 28,599 18 | 26,527 72 |
| Woburn, . . . | 5,173 05 | 5,666 52 | 7,487 56 | 11,943 75 |
| Arlington, . . | 4,682 75 | 5,129 49 | 6,101 25 | 9,507 36 |
| Belmont, . . . | 2,848 91 | 3,120 71 | 3,408 53 | 5,200 39 |
| Braintree, . . | 2,402 10 | 2,631 27 | — | — |
| Brookline, . . | 46,422 53 | 50,851 09 | 97,178 00 | 83,757 57 |
| Canton, . . . | 1,916 73 | 2,099 61 | — | — |
| Cohasset, . . . | 159 32 | 192 12 | — | — |
| Dedham, . . . | 5,266 58 | 5,768 93 | 12,232 39 | 11,069 82 |
| Dover, | 521 29 | 570 93 | — | — |
| Hingham, . . . | 2,272 65 | 2,489 47 | — | — |
| Hull, | 1,990 78 | 2,180 66 | — | — |
| Hyde Park, . . | 5,916 23 | 6,486 14 | 15,500 29 | 14,433 24 |
| Lexington, . . | — | — | 2,331 25 | 3,638 02 |
| Milton, . . . | 17,147 73 | 18,891 97 | 24,702 32 | 21,451 65 |
| Nahant, . . . | 4,373 07 | 4,808 56 | — | — |
| Needham, . . . | 1,943 79 | 2,129 20 | — | — |
| Reading, . . . | 467 97 | 493 25 | — | — |
| Revere, . . . | 14,100 93 | 15,613 78 | 7,371 92 | 11,596 12 |
| Saugus, . . . | 1,935 78 | 2,120 45 | — | — |
| Stoneham, . . . | 3,981 56 | 4,293 52 | 3,358 50 | 5,343 13 |
| Swampscott, . . | 4,941 66 | 5,413 06 | — | — |
| Wakefield, . . | 3,817 03 | 4,181 22 | 5,443 92 | 8,659 83 |
| Watertown, . . | 5,862 77 | 6,422 08 | 14,702 71 | 13,384 05 |
| Wellesley, . . | 6,234 64 | 6,679 36 | — | — |
| Weston, . . . | 3,174 29 | 3,477 12 | — | — |
| Westwood, . . . | 1,015 09 | 1,111 94 | — | — |
| Weymouth, . . | 3,229 27 | 3,537 34 | — | — |
| Winchester, . . | 8,416 45 | 9,286 33 | 6,051 02 | 9,285 97 |
| Winthrop, . . | 3,965 52 | 4,343 83 | 4,932 39 | 7,605 53 |
| | \$993,985 36 | \$1,088,966 70 ¹ | \$774,308 61 | \$877,009 22 |

¹ Includes \$20,866.67 assessments for Wellington and Wellesley bridges, and one-half maintenance of Wellington bridge paid by the district; also expense of Improvement Commission.



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STATE HOUSE, BOSTON.

The Commonwealth of Massachusetts.

1909

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS
AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1909.

The Commonwealth of Massachusetts.

1909

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FOR

INTEREST, SINKING FUNDS
AND MAINTENANCE

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BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1909.

e

YRABEL STATE
TO
ATTORNEY GENERAL

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, June 25, 1909.

Computations for the annual assessments for interest, sinking fund and maintenance for 1909 to be paid by the cities and towns comprising the metropolitan districts for the water, park and sewer systems, have been printed and are sent to each city and town, in order that the figures may be verified and the taxpayers of the districts be assured the amount levied is correct.

The total metropolitan assessments for the past five years are as follows : —

| | | | | | | | | | |
|-------|---|---|---|---|---|---|---|-------------|----|
| 1905, | . | . | . | . | . | . | . | \$3,722,725 | 93 |
| 1906, | . | . | . | . | . | . | . | 3,975,114 | 40 |
| 1907, | . | . | . | . | . | . | . | 3,963,700 | 68 |
| 1908, | . | . | . | . | . | . | . | 4,237,127 | 45 |
| 1909, | . | . | . | . | . | . | . | 4,334,286 | 80 |

No assessment has yet been made on the metropolitan district as a whole for the Charles River basin as the work is not completed. Under authority of chapter 175 of the acts of the present year the Treasurer and Receiver-General has assessed on the cities of Boston and Cambridge, to meet interest and sinking fund requirements, the sum of \$328,606.20, divided as follows : —

| | |
|--|--------------|
| Assessment to be paid by the city of Boston for interest re- | |
| quirements, | \$184,160 48 |
| Sinking fund requirements, | 93,099 99 |
| Assessment to be paid by the city of Cambridge for interest | |
| requirements, | 34,104 59 |
| Sinking fund requirements, | 17,241 14 |

ELMER A. STEVENS,

Treasurer and Receiver-General.

Total Assessments of the Metropolitan Districts for 1909.

| | Metropolitan Water. | Metropolitan Parks and Boulevards. | Metropolitan Sewer, North and South Systems. | Total. |
|---------------|------------------------|--|---|-----------------------------|
| Arlington, . | \$17,442 46 | \$5,253 27 | \$9,169 53N | \$31,865 26 |
| Belmont, . | 7,461 96 | 3,196 03 | 4,927 67N | 15,585 66 |
| Boston, . | 1,862,823 42 | 649,894 15 | 69,561 33N 189,305 15S | 2,771,584 05 |
| Braintree, . | — | 2,694 76 | — | 2,694 76 |
| Brookline, . | — | 52,077 83 | 85,583 96S | 137,661 79 |
| Cambridge, . | — | 57,458 52 | 92,920 56N | 150,379 08 |
| Canton, . | — | 2,150 24 | — | 2,150 24 |
| Chelsea, . | 51,499 13 | 15,769 81 | 26,387 53N | 93,656 47 |
| Cohasset, . | — | 196 30 | — | 196 30 |
| Dedham, . | — | 5,908 08 | 11,208 87S | 17,116 95 |
| Dover, . | — | 584 80 | — | 584 80 |
| Everett, . | 44,833 29 | 17,345 47 | 22,211 69N | 84,390 45 |
| Hingham, . | — | 2,549 58 | — | 2,549 58 |
| Hull, . | — | 2,233 25 | — | 2,233 25 |
| Hyde Park, . | 1,327 03 | 6,650 62 | 14,539 42S | 22,517 07 |
| Lexington, . | 7,384 17 | — | 3,378 52N | 10,762 69 |
| Lynn, . | — | 28,771 46 | — | 28,771 46 |
| Malden, . | 39,350 16 | 21,291 49 | 32,524 60N | 93,166 25 |
| Medford, . | 36,752 69 | 29,895 94 | 18,968 48N | 85,617 11 |
| Melrose, . | 24,523 38 | 8,058 34 | 13,567 95N | 46,149 67 |
| Milton, . | 15,455 71 | 19,505 54 | 21,888 20S | 56,849 45 |
| Nahant, . | 4,566 73 | 4,951 24 | — | 9,517 97 |
| Needham, . | — | 2,180 52 | — | 2,180 52 |
| Newton, . | 6,524 93 | 37,628 03 | 67,237 54S | 111,390 55 |
| Quincy, . | 51,230 04 | 14,582 17 | 27,329 62S | 93,141 83 |
| Reading, . | — | 458 97 | — | 458 97 |
| Revere, . | 23,140 55 | 16,234 58 | 11,252 34N | 50,627 47 |
| Saugus, . | — | 2,171 59 | — | 2,171 59 |
| Somerville, . | 112,573 20 | 37,376 52 | 56,184 31N | 206,134 03 |
| Stoneham, . | 10,234 41 | 4,235 44 | 4,766 06N | 19,235 91 |
| Swampscott, . | 11,120 03 | 5,543 63 | — | 16,663 66 |
| Wakefield, . | — | 4,282 09 | 8,125 52N | 12,407 61 |
| Waltham, . | — | 11,861 08 | 26,741 33S | 38,602 41 |
| Watertown, . | 15,758 18 | 6,576 98 | 13,537 62S | 35,872 78 |
| Wellesley, . | — | 6,757 49 | — | 6,757 49 |
| Weston, . | — | 3,561 01 | — | 3,561 01 |
| Westwood, . | — | 1,138 80 | — | 1,138 80 |
| Weymouth, . | — | 3,622 66 | — | 3,622 66 |
| Winchester, . | — | 9,607 86 | 9,453 68N | 19,061 54 |
| Winthrop, . | 16,744 76 | 4,448 64 | 7,704 96N | 28,898 36 |
| Woburn, . | — | 5,803 19 | 10,556 11N | 16,359 30 |
| | \$2,360,746 28 | \$1,114,507 97 | \$859,032 55 | \$4,334,286 80 ¹ |

N, North System.

S, South System.

¹ Includes \$19,418.56 assessments for Wellington and Wellesley bridges.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, May 1, 1909.

The gross metropolitan water debt, May 1, 1909, was . . . \$40,898,000 00
 an increase for the year of \$398,000.

The sinking funds established for payment of same May 1, 1909,
 amounted to . . . 6,501,337 35
 an increase for the year of \$773,740.90.

The net metropolitan water debt, May 1, 1909, was . . . \$34,396,662 65
 a decrease for the year of \$375,740.90.

Total Metropolitan Water Assessment for 1909.

Sinking fund requirement (see page 6), . . . \$520,331 43

Interest:—

One year on \$40,500,000, . . . \$1,363,000 00
 Six months' on \$398,000, . . . 6,467 50
 Interest on advances, estimated, 1909, . . . 35,000 00

\$1,404,467 50

Less interest overestimated in

1906 and 1908, . . . \$6,040 38
 accrued interest, . . . 2,976 82
 interest on deposits, . . . 46 81

9,064 01

1,395,403 49

Maintenance as appropriated by Legislature, \$446,500 00

Less balance on hand, . . . 1,488 64

445,011 36

Total water assessment for 1909, . . . \$2,360,746 28

METROPOLITAN WATER LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Dec. 1, 1908. | Amount of 1908 Sinking Fund at Maturity of Loan Accumula- tions reckoned at 3 Per Cent. | Balance to be sunk. | Sinking Fund Requirements in 1909. |
|------------------|-------------|-------------------------------|--|------------------------|--|
| \$13,000,000 | July, 1935, | \$3,015,120 99 | \$6,637,506 73 | \$6,362,493 27 | \$162,091 47 |
| 4,000,000 | Jan., 1938, | 751,266 97 | 1,781,659 61 | 2,218,340 39 | 48,886 18 |
| 4,000,000 | July, 1939, | 599,122 21 | 1,485,744 01 | 2,514,255 99 | 51,877 30 |
| 10,000,000 | Jan., 1941, | 1,183,575 80 | 3,069,182 92 | 6,930,817 08 | 131,490 88 |
| 3,500,000 | Jan., 1942, | 382,803 36 | 1,022,667 65 | 2,477,332 35 | 44,795 92 |
| 2,000,000 | Jan., 1943, | 175,049 16 | 481,782 35 | 1,518,217 65 | 26,187 84 |
| 2,000,000 | Jan., 1944, | 146,881 20 | 416,475 21 | 1,583,524 79 | 26,076 37 |
| 650,000 | Jan., 1945, | 73,204 06 | 213,840 61 | 436,159 39 | 6,861 97 |
| 1,350,000 | Jan., 1946, | 73,783 81 | 222,048 67 | 1,127,951 33 | 16,966 01 |
| 398,000 | Jan., 1949, | - | - | - | 5,097 49 |
| \$40,898,000 | - | \$6,400,807 56 | \$15,330,907 76 | \$25,169,092 24 | \$520,331 43 |

Computations for determining the Assessment for 1909. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based on the ratio of its valuation of property to its consumption of water, with double weight being given to consumption. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each town's assessment, multiply the total assessment by the average ratio.]

| CITIES AND TOWNS. | Valuation May 1, 1908. | Average Daily Con- sumption (Gallons), 1908. | RATIO OF TOTALS. | | Average Ratio, Double Weight to Consumption. |
|---------------------------|---------------------------|--|------------------|---------------|---|
| | | | Valuation. | Consumption. | |
| Boston, . | \$1,327,662,338 | 98,379,300 | .798,502,185 | .784,372,553 | .789,082,430 |
| Chelsea, . | 20,872,400 | 3,316,900 | .012,553,385 | .026,445,455 | .021,814,765 |
| Everett, . | 24,832,800 | 2,636,300 | .014,935,307 | .021,019,070 | .018,991,149 |
| Malden, . | 33,601,500 | 1,868,600 | .020,209,108 | .014,898,241 | .016,668,530 |
| Medford, . | 22,800,000 | 2,069,000 | .013,712,711 | .016,496,019 | .015,568,250 |
| Melrose, . | 15,972,960 | 1,351,900 | .009,606,692 | .010,778,622 | .010,387,979 |
| Newton, ¹ . | 13,786,760 | - | .008,291,836 | - | .002,763,945 |
| Quincy, . | 28,610,390 | 3,003,600 | .017,207,282 | .023,947,532 | .021,700,782 |
| Somerville, . | 63,158,400 | 6,589,200 | .037,985,653 | .052,535,316 | .047,685,428 |
| Arlington, . | 11,105,046 | 971,200 | .006,678,960 | .007,743,322 | .007,388,535 |
| Belmont, . | 6,078,650 | 365,400 | .003,655,911 | .002,913,314 | .003,160,846 |
| Hyde Park, ¹ . | 2,803,935 | - | .001,686,384 | - | .000,562,128 |
| Lexington, . | 6,884,670 | 328,800 | .004,140,679 | .002,621,504 | .003,127,896 |
| Milton, . | 23,864,970 | 331,600 | .014,353,220 | .002,643,828 | .006,546,959 |
| Nahant, . | 5,934,687 | 140,100 | .003,569,327 | .001,117,009 | .001,934,448 |
| Revere, . | 15,055,550 | 1,276,300 | .009,054,930 | .010,175,867 | .009,802,221 |
| Stoneham, . | 5,027,334 | 626,000 | .003,023,613 | .004,991,062 | .004,335,246 |
| Swampscott, . | 9,992,655 | 509,300 | .006,009,929 | .004,060,620 | .004,710,390 |
| Watertown, . | 13,888,216 | 732,000 | .008,352,855 | .005,836,194 | .006,675,081 |
| Winthrop, . | 10,757,665 | 928,700 | .006,470,033 | .007,404,472 | .007,092,992 |
| | \$1,662,690,926 | 125,424,200 | 1,000,000,000 | 1,000,000,000 | 1,000,000,000 |

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present these towns have a sufficient supply, and have not made application for water.

METROPOLITAN WATER LOAN.

Division of the Assessment for 1909 into Cost of Maintenance, Interest and Sinking Fund Requirements.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Cost of Maintenance. | Total Assessment. |
|-------------------|----------------|---------------|----------------------|-------------------|
| Boston, . . | \$1,101,088 38 | \$410,584 39 | \$351,150 65 | \$1,862,823 42 |
| Chelsea, . . | 30,440 40 | 11,350 91 | 9,707 82 | 51,499 13 |
| Everett, . . | 26,500 32 | 9,881 69 | 8,451 28 | 44,833 29 |
| Malden, . . | 23,259 32 | 8,673 16 | 7,417 68 | 39,350 16 |
| Medford, . . | 21,723 99 | 8,100 65 | 6,928 05 | 36,752 69 |
| Melrose, . . | 14,495 42 | 5,405 19 | 4,622 77 | 24,523 38 |
| Newton, . . | 3,856 82 | 1,438 17 | 1,229 99 | 6,524 98 |
| Quincy, . . | 30,281 35 | 11,291 60 | 9,657 09 | 51,230 04 |
| Somerville, . . | 66,540 41 | 24,812 23 | 21,220 56 | 112,573 20 |
| Arlington, . . | 10,309 99 | 3,844 49 | 3,287 98 | 17,442 46 |
| Belmont, . . | 4,410 66 | 1,644 69 | 1,406 61 | 7,461 96 |
| Hyde Park, . . | 784 39 | 292 49 | 250 15 | 1,327 03 |
| Lexington, . . | 4,364 68 | 1,627 54 | 1,391 95 | 7,384 17 |
| Milton, . . | 9,135 65 | 3,406 59 | 2,913 47 | 15,455 71 |
| Nahant, . . | 2,699 33 | 1,006 55 | 860 85 | 4,566 73 |
| Revere, . . | 13,678 05 | 5,100 40 | 4,362 10 | 23,140 55 |
| Stoneham, . . | 6,049 42 | 2,255 76 | 1,929 23 | 10,234 41 |
| Swampscott, . . | 6,572 89 | 2,450 96 | 2,096 18 | 11,120 03 |
| Watertown, . . | 9,314 43 | 3,473 26 | 2,970 49 | 15,758 18 |
| Winthrop, . . | 9,897 59 | 3,690 71 | 3,156 46 | 16,744 76 |
| | \$1,395,403 49 | \$520,331 43 | \$445,011 36 | \$2,360,746 28 |

Comparison of Total Assessments, 1908 and 1909, with Revenue from Water Rates in 1908.

| CITIES AND TOWNS. | WATER ASSESSMENT. | | Water Revenue received by Cities and Towns, 1908. |
|-----------------------|-------------------|----------------|---|
| | 1908. | 1909. | |
| Boston, | \$1,789,315 84 | \$1,862,823 42 | \$2,695,761 00 ¹ |
| Chelsea, | 58,288 06 | 51,499 13 | 135,595 23 |
| Everett, | 42,428 56 | 44,833 29 | 98,633 60 ² |
| Malden, | 38,049 53 | 39,350 16 | 99,537 30 ¹ |
| Medford, | 36,955 49 | 36,752 69 | 71,450 63 ³ |
| Melrose, | 28,693 90 | 24,523 38 | 57,115 50 ¹ |
| Newton, | 6,259 58 | 6,524 98 | - ⁴ |
| Quincy, | 49,285 01 | 51,230 04 | 108,611 56 ¹ |
| Somerville, | 108,691 08 | 112,573 20 | 230,254 72 ¹ |
| Arlington, | 16,552 50 | 17,442 46 | 48,425 99 |
| Belmont, | 6,832 38 | 7,461 96 | 19,910 42 ² |
| Hyde Park, | 1,261 26 | 1,327 03 | - ⁴ |
| Lexington, | 6,845 05 | 7,384 17 | 22,503 45 |
| Milton, | 14,713 89 | 15,455 71 | 43,955 74 |
| Nahant, | 4,282 55 | 4,566 73 | 11,764 64 |
| Revere, | 21,842 32 | 23,140 55 | 59,838 15 ³ |
| Stoneham, | 9,727 88 | 10,234 41 | 23,418 61 ² |
| Swampscott, | - | 11,120 03 | 29,839 82 |
| Watertown, | 15,639 86 | 15,758 18 | 53,738 87 ² |
| Winthrop, | 15,486 79 | 16,744 76 | 47,488 71 |
| | \$2,271,151 53 | \$2,360,746 28 | \$3,857,843 94 |

¹ No money received for hydrant rentals or water used for street watering and other municipal purposes.

² No money received for hydrant rentals or water used for street watering.

³ No money received for hydrant rentals.

⁴ Not taking water from the district.

Net Water Debt of Cities of the Original Metropolitan Water District.

| CITIES. | 1908. | 1909. | Change of Past Year (Reduction). |
|-----------------------|------------------------|-----------------------|----------------------------------|
| Boston, | \$736,720 63 | \$611,543 29 | \$125,177 34 |
| Somerville, | 69,000 00 | 62,000 00 | 7,000 00 |
| Chelsea, | 183,784 00 | 168,802 00 | 14,982 00 |
| Everett, | 100,985 42 | 94,881 35 | 6,104 07 |
| Malden, | 109,214 63 | 92,296 45 | 16,918 18 |
| Medford, | 23,891 49 ¹ | 7,837 31 ¹ | 16,054 18 ² |
| Melrose, | 34,641 37 | 79,143 98 | 44,502 61 ² |
| | \$1,210,454 56 | \$1,100,829 76 | \$109,624 80 |

¹ Amount in sinking fund \$7,837.31 greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

| | |
|--|----------------|
| The gross metropolitan parks debt, May 1, 1909, was . . . | \$9,485,000 00 |
| an increase for the year of \$70,000. | |
| The sinking funds established for payment of same, May 1, 1909, amounted to | 1,686,468 62 |
| an increase for the year of \$187,468.20. | |
| The net metropolitan parks debt, May 1, 1909, was | \$7,798,531 38 |
| a decrease for the year of \$117,468.20. | |

BOULEVARDS.

| | |
|--|----------------|
| The gross metropolitan parks, series two, debt (boulevards) (one-half), May 1, 1909, was | \$2,567,500 00 |
| an increase for the year of \$25,000. | |
| The sinking funds established for payment of same, May 1, 1909, amounted to | 405,010 48 |
| an increase for the year of \$46,223.82. | |
| The net metropolitan parks, series two (boulevards), debt, May 1, 1909, was | \$2,162,489 52 |
| a decrease for the year of \$21,223.82. | |

METROPOLITAN PARKS LOAN.

| | | | |
|--|--------------|--|--------------|
| The total parks assessment for 1909 is made up as follows: — | | | |
| Parks, sinking fund, | \$110,722 50 | | |
| Parks, series two, sinking fund, | 30,536 00 | | |
| Nantasket, sinking fund, | 7,934 25 | | |
| | | | \$149,192 75 |
| Parks interest: — | | | |
| One year on \$8,715,000 = | \$298,950 00 | | |
| Six months on 70,000 = | 1,137 50 | | |
| | \$300,087 50 | | |
| Interest on advances, estimated, | | | |
| 1909, | 4,000 00 | | |
| Interest on advances, deficiency, 1908, | 2,141 12 | | |
| | \$306,228 62 | | |
| Accrued interest, | 523 55 | | |
| | \$305,705 07 | | |
| Parks, series two, interest: — | | | |
| One year on \$2,542,500 = | \$86,925 00 | | |
| Six months on 25,000 = | 406 25 | | |
| | \$87,331 25 | | |
| <i>Amounts carried forward,</i> | \$305,705 07 | | \$149,192 75 |

| | | | |
|---|---------------------|----------------|--------------|
| <i>Amounts brought forward,</i> | | \$305,705 07 | \$149,192 75 |
| Less | | | |
| Interest on deposits, | \$3,432 13 | | |
| Over collected in | | | |
| 1906, | 173 74 | | |
| Accrued interest, . | 186 97 | | |
| | <u>\$3,792 84</u> | 83,538 41 | |
| Nantasket interest: — | | | |
| One year on | \$700,000 | = 21,000 00 | |
| | | <u></u> | 410,243 48 |
| Parks maintenance, | \$369,584 96 | | |
| Expense of commission, . . . | 3,000 00 | | |
| Expense of joint commission, . | 10,000 00 | | |
| Band concerts, | 25,000 00 | | |
| | <u>\$407,584 96</u> | | |
| To which is to be added 1908 bills paid in 1909, | \$15,955 06 | | |
| Less book balance, | 5,052 43 | | |
| | <u>10,902 63</u> | \$418,487 59 | |
| Parks, series two, maintenance (one-half), | \$87,076 58 | | |
| To which is to be added 1908 bills paid in 1909 (one-half), | \$5,467 84 | | |
| Less book balance (one-half), | 3,564 18 | | |
| | <u>\$1,903 66</u> | | |
| Deficiency, 1908, | 117 50 | | |
| | <u>2,021 16</u> | 89,097 74 | |
| Nantasket maintenance, . . . | \$22,500 00 | | |
| To which is to be added over-draft, \$1,266 49 | | | |
| Bills of 1908, paid in 1909, | 933 67 | | |
| | <u>2,200 16</u> | 24,700 16 | |
| | | <u></u> | 532,285 49 |
| Wellington Bridge maintenance (one-half), . . | \$3,376 00 | | |
| From which is to be deducted: — | | | |
| Book balance (one-half), . . . | \$287 96 | | |
| Less 1908 bills paid in 1909 (one-half), | 279 65 | | |
| | <u>8 31</u> | | |
| | | <u></u> | 3,367 69 |
| Total parks assessment for 1909, | | \$1,095,089 41 | |

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

| | Total Sinking Fund. | Total Interest. | Total Maintenance. | Grand Total. |
|-------------------|------------------------|-----------------|-----------------------|-----------------------------|
| Boston, . . . | \$88,095 51 | \$242,309 35 | \$319,489 29 | \$649,894 15 |
| Cambridge, . . . | 7,803 72 | 21,462 10 | 28,192 70 | 57,458 52 |
| Chelsea, . . . | 2,184 94 | 6,002 63 | 7,582 24 | 15,769 81 |
| Everett, . . . | 2,447 31 | 6,716 93 | 8,181 23 | 17,345 47 |
| Lynn, . . . | 3,903 51 | 10,736 19 | 14,131 76 | 28,771 46 |
| Malden, . . . | 2,809 99 | 7,721 18 | 9,817 37 | 20,348 54 |
| Medford, . . . | 3,016 19 | 8,274 15 | 9,885 24 | 21,175 58 |
| Melrose, . . . | 1,092 30 | 3,004 38 | 3,961 66 | 8,058 34 |
| Newton, . . . | 4,924 11 | 13,543 90 | 17,858 14 | 36,326 15 |
| Quincy, . . . | 2,012 30 | 5,529 51 | 7,040 36 | 14,582 17 |
| Somerville, . . . | 4,314 08 | 11,862 20 | 15,463 16 | 31,639 44 |
| Waltham, . . . | 1,607 80 | 4,422 28 | 5,831 00 | 11,861 08 |
| Woburn, . . . | 786 61 | 2,163 58 | 2,853 00 | 5,803 19 |
| Arlington, . . . | 712 11 | 1,958 69 | 2,582 47 | 5,253 27 |
| Belmont, . . . | 433 24 | 1,191 65 | 1,571 14 | 3,196 03 |
| Braintree, . . . | 365 29 | 1,004 75 | 1,324 72 | 2,694 76 |
| Brookline, . . . | 7,059 22 | 19,416 61 | 25,602 00 | 52,077 83 |
| Canton, . . . | 291 47 | 801 66 | 1,057 11 | 2,150 24 |
| Cohasset, . . . | 29 04 | 76 86 | 90 40 | 196 30 |
| Dedham, . . . | 800 83 | 2,202 72 | 2,904 53 | 5,908 08 |
| Dover, . . . | 79 26 | 218 05 | 287 49 | 584 80 |
| Hingham, . . . | 345 63 | 950 66 | 1,253 29 | 2,549 58 |
| Hull, . . . | 302 71 | 832 60 | 1,097 94 | 2,233 25 |
| Hyde Park, . . . | 906 42 | 2,492 42 | 3,251 78 | 6,650 62 |
| Milton, . . . | 2,740 72 | 7,523 83 | 9,240 99 | 19,505 54 |
| Nahant, . . . | 687 50 | 1,888 54 | 2,375 20 | 4,951 24 |
| Needham, . . . | 295 55 | 812 92 | 1,072 05 | 2,180 52 |
| Revere, . . . | 2,350 25 | 6,441 87 | 7,442 46 | 16,234 58 |
| Saugus, . . . | 294 36 | 809 66 | 1,067 57 | 2,171 59 |
| Stoneham, . . . | 356 34 | 980 14 | 1,292 58 | 2,629 06 |
| Swampscott, . . . | 751 44 | 2,066 86 | 2,725 33 | 5,543 63 |
| Wakefield, . . . | 580 46 | 1,596 58 | 2,105 05 | 4,282 09 |
| Watertown, . . . | 891 51 | 2,452 12 | 3,233 35 | 6,576 98 |
| Wellesley, . . . | 827 74 | 2,276 71 | 3,002 10 | 6,106 55 |
| Weston, . . . | 482 71 | 1,327 71 | 1,750 59 | 3,561 01 |
| Westwood, . . . | 154 38 | 424 61 | 559 81 | 1,138 80 |
| Weymouth, . . . | 491 05 | 1,350 66 | 1,780 95 | 3,622 66 |
| Winchester, . . . | 1,362 12 | 3,737 56 | 4,508 18 | 9,607 86 |
| Winthrop, . . . | 603 03 | 1,658 66 | 2,186 95 | 4,448 64 |
| | \$149,192 75 | \$410,243 48 | \$535,653 18 | \$1,095,089 41 ¹ |

¹ Exclusive of \$19,418.56, special assessment for Wellington and Wellesley bridges, which is included on page 4.

METROPOLITAN PARKS.

The total amount of bonds issued for the metropolitan parks is \$14,757,500, including one-half of those for the boulevards, also called series two, those for the improvement of the Charles River basin, \$185,-317.42 for Wellington bridge and \$16,000 for Newton and Wellesley bridge.

Proportions to be paid annually as found by Commissioners.

| | Parks. 1905-1909. | Boulevard. 1905-1909. | Nantasket. 1905-1909. |
|-----------------------|----------------------|--------------------------|--------------------------|
| Boston, | .62237 | .46716 | .62009 |
| Cambridge, | .05405 | .04558 | .05386 |
| Chelsea, | .01203 | .02482 | .01198 |
| Everett, | .01037 | .03986 | .01033 |
| Lynn, | .02733 | .02166 | .02723 |
| Malden, | .01613 | .02936 | .01607 |
| Medford, | .01081 | .05678 | .01077 |
| Melrose, | .00772 | .00578 | .00769 |
| Newton, | .03479 | .02610 | .03467 |
| Quincy, | .01165 | .02064 | .01161 |
| Somerville, | .02866 | .02994 | .02855 |
| Waltham, | .01136 | .00852 | .01132 |
| Woburn, | .00556 | .00416 | .00554 |
| Arlington, | .00503 | .00378 | .00501 |
| Belmont, | .00306 | .00230 | .00305 |
| Braintree, | .00258 | .00194 | .00257 |
| Brookline, | .04988 | .03740 | .04970 |
| Canton, | .00206 | .00154 | .00206 |
| Cohasset, | — | — | .00366 |
| Dedham, | .00566 | .00424 | .00563 |
| Dover, | .00056 | .00042 | .00056 |
| Hingham, | .00244 | .00184 | .00243 |
| Hull, | .00214 | .00160 | .00213 |
| Hyde Park, | .00605 | .00618 | .00603 |
| Milton, | .01240 | .04158 | .01236 |
| Nahant, | .00368 | .00822 | .00366 |
| Needham, | .00209 | .00156 | .00208 |
| Revere, | .00583 | .05432 | .00580 |
| Saugus, | .00208 | .00156 | .00207 |
| Stoneham, | .00252 | .00188 | .00251 |
| Swampscott, | .00531 | .00398 | .00529 |
| Wakefield, | .00410 | .00308 | .00409 |
| Watertown, | .00630 | .00472 | .00628 |
| Wellesley, | .00585 | .00438 | .00583 |
| Weston, | .00341 | .00256 | .00340 |
| Westwood, | .00109 | .00082 | .00109 |
| Weymouth, | .00347 | .00260 | .00346 |
| Winchester, | .00532 | .02394 | .00530 |
| Winthrop, | .00426 | .00320 | .00424 |
| | 1.00000 | 1.00000 | 1.00000 |

METROPOLITAN PARKS LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1908. | Amount of Dec. 1, 1908, Sinking Fund at Maturity of Loan Accumu- lations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Requirements for 1909. |
|---------------|---------------|-------------------------------|--|--------------------------------|---|
| \$1,300,000 | Jan., 1934, . | \$299,647 16 | \$630,829 90 | \$669,170 10 | \$18,299 76 |
| 2,000,000 | Jan., 1936, . | 421,384 91 | 941,554 04 | 1,058,445 96 | 25,916 09 |
| 1,400,000 | Jan., 1937, . | 282,284 92 | 649,809 46 | 750,190 54 | 17,415 64 |
| 1,000,000 | July, 1938, . | 192,477 18 | 464,455 49 | 535,544 51 | 11,598 96 |
| 505,000 | July, 1939, . | 91,547 69 | 227,585 36 | 277,414 64 | 5,709 91 |
| 650,000 | Jan., 1941, . | 128,495 45 | 333,207 25 | 224,134 04 | 4,252 26 |
| 125,000 | Jan., 1943, . | 12,811 64 | 35,261 07 | 89,738 93 | 1,547 92 |
| 340,000 | July, 1943, . | 33,346 83 | 95,385 57 | 230,614 43 | 3,909 86 |
| 300,000 | Jan., 1944, . | 23,670 10 | 67,115 53 | 232,884 47 | 3,834 98 |
| 370,000 | Jan., 1945, . | 20,703 43 | 60,477 98 | 309,522 02 | 4,869 62 |
| 300,000 | Jan., 1946, . | 17,660 77 | 53,149 20 | 246,850 80 | 3,712 99 |
| 300,000 | Jan., 1947, . | 9,632 40 | 29,864 39 | 270,135 61 | 3,887 27 |
| 125,000 | Jan., 1928, . | 1,750 00 | 3,081 39 | 121,918 61 | 4,843 59 |
| 70,000 | Jan., 1949, . | — | — | — | 923 65 |
| \$8,785,000 | — | \$1,535,412 48 | \$3,589,776 63 | \$5,016,564 66 | \$110,722 50 |

Nantasket.

| | | | | | |
|-----------|---------------|--------------|--------------|--------------|------------|
| \$600,000 | July, 1939, . | \$110,650 53 | \$275,074 55 | \$324,925 45 | \$6,687 79 |
| 100,000 | Jan., 1941, . | 13,227 14 | 34,299 88 | 65,700 12 | 1,246 46 |
| \$700,000 | — | \$123,877 67 | \$309,374 43 | \$390,625 57 | \$7,934 25 |

METROPOLITAN PARKS LOAN, SERIES TWO.

Sinking Fund.

| DATE. | Amount. | Present Con- dition of Sinking Fund. | Amount of Sinking Fund at Maturity of Loan. | Balance to be sunk. | Require- ments in 1909. |
|---------------|----------------|--|--|------------------------|-------------------------------|
| Jan., 1934, . | \$250,000 00 | \$61,995 04 | \$130,840 86 | \$119,159 14 | \$3,203 00 |
| Jan., 1936, . | 300,000 00 | 68,025 75 | 152,378 60 | 147,621 40 | 3,553 00 |
| Jan., 1937, . | 500,000 00 | 108,514 92 | 250,421 83 | 249,578 17 | 5,695 00 |
| July, 1938, . | 50,000 00 | 10,360 32 | 24,999 88 | 25,000 12 | 523 00 |
| July, 1939, . | 250,000 00 | 49,642 86 | 123,410 96 | 126,589 04 | 2,516 00 |
| July, 1940, . | 162,500 00 | 27,473 77 | 70,363 47 | 92,136 53 | 1,744 00 |
| Jan., 1940, . | 225,000 00 | 27,732 75 | 69,979 67 | 155,020 33 | 3,036 00 |
| Jan., 1943, . | 55,000 00 | 5,957 61 | 16,437 93 | 38,562 07 | 651 00 |
| July, 1943, . | 150,000 00 | 12,786 20 | 35,806 90 | 114,193 10 | 1,876 00 |
| Jan., 1944, . | 150,000 00 | 12,336 29 | 35,066 45 | 114,933 55 | 1,861 00 |
| Jan., 1945, . | 150,000 00 | 8,532 84 | 24,988 08 | 125,011 92 | 1,933 00 |
| Jan., 1946, . | 150,000 00 | 4,119 31 | 12,427 84 | 137,572 16 | 2,034 00 |
| Jan., 1947, . | 150,000 00 | 4,807 58 | 14,942 73 | 135,057 27 | 1,911 00 |
| | \$2,542,500 00 | \$402,285 24 | \$962,065 20 | \$1,580,434 80 | \$30,536 00 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Sinking Fund Requirements.

| CITIES AND TOWNS. | Parks. | Boulevard. | Nantasket. | Total. |
|-------------------|--------------|-------------|------------|--------------|
| Boston, . . . | \$68,910 36 | \$14,265 20 | \$4,919 95 | \$88,095 51 |
| Cambridge, . . . | 5,984 55 | 1,391 83 | 427 34 | 7,803 72 |
| Chelsea, . . . | 1,331 99 | 757 90 | 95 05 | 2,184 94 |
| Everett, . . . | 1,148 19 | 1,217 16 | 81 96 | 2,447 31 |
| Lynn, . . . | 3,026 05 | 661 41 | 216 05 | 3,903 51 |
| Malden, . . . | 1,785 95 | 896 54 | 127 50 | 2,809 99 |
| Medford, . . . | 1,196 91 | 1,733 83 | 85 45 | 3,016 19 |
| Melrose, . . . | 854 78 | 176 50 | 61 02 | 1,092 30 |
| Newton, . . . | 3,852 04 | 796 99 | 275 08 | 4,924 11 |
| Quincy, . . . | 1,289 92 | 630 26 | 92 12 | 2,012 30 |
| Somerville, . . . | 3,173 31 | 914 25 | 226 52 | 4,314 08 |
| Waltham, . . . | 1,257 81 | 260 17 | 89 82 | 1,607 80 |
| Woburn, . . . | 615 62 | 127 03 | 43 96 | 786 61 |
| Arlington, . . . | 556 93 | 115 43 | 39 75 | 712 11 |
| Belmont, . . . | 338 81 | 70 23 | 24 20 | 433 24 |
| Braintree, . . . | 285 66 | 59 24 | 20 39 | 365 29 |
| Brookline, . . . | 5,522 84 | 1,142 05 | 394 33 | 7,059 22 |
| Canton, . . . | 228 09 | 47 03 | 16 35 | 291 47 |
| Cohasset, . . . | — | — | 29 04 | 29 04 |
| Dedham, . . . | 626 69 | 129 47 | 44 67 | 800 83 |
| Dover, . . . | 62 00 | 12 82 | 4 44 | 79 26 |
| Hingham, . . . | 270 16 | 56 19 | 19 28 | 345 63 |
| Hull, . . . | 236 95 | 48 86 | 16 90 | 302 71 |
| Hyde Park, . . . | 669 87 | 188 71 | 47 84 | 906 42 |
| Milton, . . . | 1,372 96 | 1,269 69 | 98 07 | 2,740 72 |
| Nahant, . . . | 407 46 | 251 00 | 29 04 | 687 50 |
| Needham, . . . | 231 41 | 47 64 | 16 50 | 295 55 |
| Revere, . . . | 645 51 | 1,658 72 | 46 02 | 2,350 25 |
| Saugus, . . . | 230 30 | 47 64 | 16 42 | 294 36 |
| Stoneham, . . . | 279 02 | 57 41 | 19 91 | 356 34 |
| Swampscott, . . . | 587 94 | 121 53 | 41 97 | 751 44 |
| Wakefield, . . . | 453 96 | 94 05 | 32 45 | 580 46 |
| Watertown, . . . | 697 55 | 144 13 | 49 83 | 891 51 |
| Wellesley, . . . | 647 73 | 133 75 | 46 26 | 827 74 |
| Weston, . . . | 377 56 | 78 17 | 26 98 | 482 71 |
| Westwood, . . . | 120 69 | 25 04 | 8 65 | 154 38 |
| Weymouth, . . . | 384 21 | 79 39 | 27 45 | 491 05 |
| Winchester, . . . | 589 04 | 731 03 | 42 05 | 1,362 12 |
| Winthrop, . . . | 471 68 | 97 71 | 33 64 | 603 03 |
| | \$110,722 50 | \$30,536 00 | \$7,934 25 | \$149,192 75 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Interest Requirements.

| CITIES AND TOWNS. | Parks. | Boulevard. | Nantasket. | Total. |
|-------------------|--------------|-------------|-------------|--------------|
| Boston, . . . | \$190,261 66 | \$39,025 80 | \$13,021 89 | \$242,309 35 |
| Cambridge, . . . | 16,523 36 | 3,807 68 | 1,131 06 | 21,462 10 |
| Chelsea, . . . | 3,677 63 | 2,073 42 | 251 58 | 6,002 63 |
| Everett, . . . | 3,170 16 | 3,329 84 | 216 93 | 6,716 93 |
| Lynn, . . . | 8,354 92 | 1,809 44 | 571 83 | 10,736 19 |
| Malden, . . . | 4,931 02 | 2,452 69 | 337 47 | 7,721 18 |
| Medford, . . . | 3,304 67 | 4,743 31 | 226 17 | 8,274 15 |
| Melrose, . . . | 2,360 04 | 482 85 | 161 49 | 3,004 38 |
| Newton, . . . | 10,635 48 | 2,180 35 | 728 07 | 13,543 90 |
| Quincy, . . . | 3,561 47 | 1,724 23 | 243 81 | 5,529 51 |
| Somerville, . . . | 8,761 51 | 2,501 14 | 599 55 | 11,862 20 |
| Waltham, . . . | 3,472 81 | 711 75 | 237 72 | 4,422 28 |
| Woburn, . . . | 1,699 72 | 347 52 | 116 34 | 2,163 58 |
| Arlington, . . . | 1,537 70 | 315 78 | 105 21 | 1,958 69 |
| Belmont, . . . | 935 46 | 192 14 | 64 05 | 1,191 65 |
| Braintree, . . . | 788 72 | 162 06 | 53 97 | 1,004 75 |
| Brookline, . . . | 15,248 57 | 3,124 34 | 1,043 70 | 19,416 61 |
| Canton, . . . | 629 75 | 128 65 | 43 26 | 801 66 |
| Cohasset, . . . | — | — | 76 86 | 76 86 |
| Dedham, . . . | 1,730 29 | 354 20 | 118 23 | 2,202 72 |
| Dover, . . . | 171 20 | 35 09 | 11 76 | 218 05 |
| Hingham, . . . | 745 92 | 153 71 | 51 03 | 950 66 |
| Hull, . . . | 654 21 | 133 66 | 44 73 | 832 60 |
| Hyde Park, . . . | 1,849 52 | 516 27 | 126 63 | 2,492 42 |
| Milton, . . . | 3,790 74 | 3,473 53 | 259 56 | 7,523 83 |
| Nahant, . . . | 1,124 99 | 686 69 | 76 86 | 1,888 54 |
| Needham, . . . | 638 92 | 130 32 | 43 68 | 812 92 |
| Revere, . . . | 1,782 26 | 4,537 81 | 121 80 | 6,441 87 |
| Saugus, . . . | 635 87 | 130 32 | 43 47 | 809 66 |
| Stoneham, . . . | 770 38 | 157 05 | 52 71 | 980 14 |
| Swampscott, . . . | 1,623 29 | 332 48 | 111 09 | 2,066 86 |
| Wakefield, . . . | 1,253 39 | 257 30 | 85 89 | 1,596 58 |
| Watertown, . . . | 1,925 94 | 394 30 | 131 88 | 2,452 12 |
| Wellesley, . . . | 1,788 38 | 365 90 | 122 43 | 2,276 71 |
| Weston, . . . | 1,042 45 | 213 86 | 71 40 | 1,327 71 |
| Westwood, . . . | 333 22 | 68 50 | 22 89 | 424 61 |
| Weymouth, . . . | 1,060 80 | 217 20 | 72 66 | 1,350 66 |
| Winchester, . . . | 1,626 35 | 1,999 91 | 111 30 | 3,737 56 |
| Winthrop, . . . | 1,302 30 | 267 32 | 89 04 | 1,658 66 |
| | \$305,705 07 | \$83,538 41 | \$21,000 00 | \$410,243 48 |

METROPOLITAN PARKS LOAN (INCLUDING BOULEVARD AND NANTASKET).

Maintenance Requirements.

| CITIES AND TOWNS. | Parks. | Boulevard. | Nantasket. | Total. |
|-------------------|---------------------------|-------------|-------------|--------------|
| Boston, . . . | \$262,550 07 | \$41,622 90 | \$15,316 32 | \$319,489 29 |
| Cambridge, . . . | 22,801 28 | 4,061 07 | 1,330 35 | 28,192 70 |
| Chelsea, . . . | 5,074 92 | 2,211 41 | 295 91 | 7,582 24 |
| Everett, . . . | 4,374 64 | 3,551 44 | 255 15 | 8,181 23 |
| Lynn, . . . | 11,529 31 | 1,929 86 | 672 59 | 14,131 76 |
| Malden, . . . | 6,804 53 | 2,615 91 | 396 93 | 9,817 37 |
| Medford, . . . | 4,560 25 | 5,058 97 | 266 02 | 9,885 24 |
| Melrose, . . . | 3,256 73 | 514 99 | 189 94 | 3,961 66 |
| Newton, . . . | 14,676 34 | 2,325 45 | 856 35 | 17,858 14 |
| Quincy, . . . | 4,914 61 | 1,838 98 | 286 77 | 7,040 36 |
| Somerville, . . . | 12,090 38 | 2,667 59 | 705 19 | 15,463 16 |
| Waltham, . . . | 4,792 28 | 759 11 | 279 61 | 5,831 00 |
| Woburn, . . . | 2,345 51 | 370 65 | 136 84 | 2,853 00 |
| Arlington, . . . | 2,121 93 | 336 79 | 123 75 | 2,582 47 |
| Belmont, . . . | 1,290 88 | 204 92 | 75 34 | 1,571 14 |
| Braintree, . . . | 1,088 39 | 172 85 | 63 48 | 1,324 72 |
| Brookline, . . . | 21,042 14 | 3,332 26 | 1,227 60 | 25,602 00 |
| Canton, . . . | 869 02 | 137 21 | 50 88 | 1,057 11 |
| Cohasset, . . . | — | — | 90 40 | 90 40 |
| Dedham, . . . | 2,387 70 | 377 77 | 139 06 | 2,904 53 |
| Dover, . . . | 236 24 | 37 42 | 13 83 | 287 49 |
| Hingham, . . . | 1,029 33 | 163 94 | 60 02 | 1,253 29 |
| Hull, . . . | 902 77 | 142 56 | 52 61 | 1,097 94 |
| Hyde Park, . . . | 2,552 22 | 550 62 | 148 94 | 3,251 78 |
| Milton, . . . | 5,231 01 | 3,704 69 | 305 29 | 9,240 99 |
| Nahant, . . . | 1,552 42 | 732 38 | 90 40 | 2,375 20 |
| Needham, . . . | 881 68 | 138 99 | 51 38 | 1,072 05 |
| Revere, . . . | 2,459 41 | 4,839 79 | 143 26 | 7,442 46 |
| Saugus, . . . | 877 45 | 138 99 | 51 13 | 1,067 57 |
| Stoneham, . . . | 1,063 08 | 167 50 | 62 00 | 1,292 58 |
| Swampscott, . . . | 2,240 05 | 354 61 | 130 67 | 2,725 33 |
| Wakefield, . . . | 1,729 61 | 274 42 | 101 02 | 2,105 05 |
| Watertown, . . . | 2,657 69 | 420 54 | 155 12 | 3,233 35 |
| Wellesley, . . . | 2,467 85 | 390 25 | 144 00 | 3,002 10 |
| Weston, . . . | 1,438 52 | 228 09 | 83 98 | 1,750 59 |
| Westwood, . . . | 459 82 | 73 06 | 26 93 | 559 81 |
| Weymouth, . . . | 1,463 84 | 231 65 | 85 46 | 1,780 95 |
| Winchester, . . . | 2,244 27 | 2,133 00 | 130 91 | 4,508 18 |
| Winthrop, . . . | 1,797 11 | 285 11 | 104 73 | 2,186 95 |
| | \$421,855 28 ¹ | \$89,097 74 | \$24,700 16 | \$535,653 18 |

¹ Includes \$3,367.69, the district's proportion of Wellington bridge maintenance. See page 10.

Wellington Bridge, Special Assessment (Chapter 491, Acts of 1901).

[One-fifth of one-half of the cost of the bridge due each year for five years.]

First Assessment, 1906.

| | Per Cent. | Assessment. | Interest. | Maintenance. | Total Assessment. |
|----------------------------|--------------|-------------|-----------|--------------|----------------------|
| Malden, ¹ . . . | 14 | — | — | \$942 95 | \$942 95 |
| Medford, . . . | 19 | \$7,042 06 | \$398 58 | 1,279 72 | 8,720 36 |
| Reading, . . . | 1 | 370 64 | 20 98 | 67 35 | 458 97 |
| Somerville, . . | 12½ | 4,632 94 | 262 22 | 841 92 | 5,737 08 |
| Stoneham, . . . | 3½ | 1,297 22 | 73 42 | 235 74 | 1,606 38 |
| | | \$13,342 86 | \$755 20 | \$3,367 68 | \$17,465 74 |

¹ Paid the whole original assessment in 1906.*Newton and Wellesley Bridge (Chapter 391, Acts of 1903).*

| | Assessment. | Interest. | Total. |
|---|-------------|-----------|------------|
| Newton, | \$1,200 00 | \$101 88 | \$1,301 88 |
| Wellesley, | 600 00 | 50 94 | 650 94 |
| Middlesex County, . . . | 500 00 | 42 45 | 542 45 |
| Norfolk County, . . . | 500 00 | 42 45 | 542 45 |
| Boston & Worcester Street Railway, | 400 00 | 33 96 | 433 96 |
| | \$3,200 00 | \$271 68 | \$3,471 68 |

CHARLES RIVER BASIN.

Chapter 465, Acts of 1903, authorized the building of a dam across Charles River by a special commission, and the payment therefor by a special loan by the Commonwealth, to be apportioned, assessed and repaid in the manner provided for the park loan.

| DATE OF SALE. | Bonds issued. | Rate of Interest (Per Cent.). | Price received. | Due Date. |
|------------------------|------------------|-------------------------------------|--------------------|---------------|
| Jan. 15, 1904, | \$250,000 | 3½ | 104.600 | Jan. 1, 1944. |
| Mar. 24, 1905, | 80,000 | 3½ | 106.175 | Jan. 1, 1945. |
| Mar. 24, 1905, | 320,000 | 3½ | 105.553 | Jan. 1, 1945. |
| June 28, 1906, | 600,000 | 3½ | 103.090 | Jan. 1, 1946. |
| April 3, 1907, | 1,150,000 | 3½ | 101.850 | Jan. 1, 1947. |
| April 7, 1908, | 400,000 | 3½ | 101.400 | Jan. 1, 1948. |
| Mar. 17, 1909, | 425,000 | 3 | 101.196 | Jan. 1, 1949. |
| Mar. 17, 1909, | 425,000 | 3½ | 101.196 | Jan. 1, 1949. |

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

| | |
|---|-----------------------|
| The gross metropolitan sewerage, north system, debt, May 1, 1909, was | \$6,450,000 00 |
| an increase for the year of \$300,000. | |
| The sinking fund established for payment of same, May 1, 1909, amounted to | 994,180 98 |
| an increase for the year of \$103,025.63. | |
| The net metropolitan sewerage, north system, debt, May 1, 1909, was | <u>\$5,455,819 02</u> |
| an increase for the year of \$196,974.37. | |

Assessments, North System.

| | |
|---|---------------------|
| Sinking fund, | \$57,121 81 |
| One year's interest on \$6,150,000, | \$188,750 00 |
| Six months' interest on \$300,000, | 4,875 00 |
| Interest on advances, estimated, 1909, | 4,000 00 |
| Deficiency in advances, 1908, | 2,669 56 |
| | <u>\$200,294 56</u> |
| Accrued interest, | 667 81 |
| | <u>199,626 75</u> |
| Maintenance, | \$146,900 00 |
| Less balance on hand, | 1,987 72 |
| | <u>144,912 28</u> |
| Total north metropolitan sewerage assessment, | <u>\$401,660 84</u> |

STATEMENT IV.

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

| | |
|--|-----------------------|
| The gross metropolitan sewerage, south system, debt, May 1, 1909, was | \$8,877,912 00 |
| showing no increase for the past year. | |
| The sinking funds established for payment of same, May 1, 1909, amounted to | 518,465 51 |
| an increase for the year of \$77,228.26. | |
| The net metropolitan sewerage, south system, debt, May 1, 1909, was | <u>\$8,359,446 49</u> |
| a decrease for the year of \$77,228 26. | |

Assessments, South System.

| | |
|---|---------------------|
| Sinking fund, | \$57,091 01 |
| One year's interest on \$8,877,912, | \$298,777 30 |
| Interest on advances, estimated, 1909, | 4,000 00 |
| | <u>\$302,777 30</u> |
| Over-collected in 1907 and 1908, | \$1,068 66 |
| Interest on deposits, | 20 17 |
| | <u>1,088 83</u> |
| | <u>301,688 47</u> |
| Maintenance, | \$105,700 00 |
| Less balance on hand, | 7,107 77 |
| | <u>98,592 23</u> |
| Total south metropolitan sewerage assessment, | <u>\$457,371 71</u> |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, REQUIREMENTS.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Maintenance. | Total. |
|-------------------|--------------|---------------|--------------|--------------|
| Arlington, . . . | \$4,830 97 | \$1,382 35 | \$2,956 21 | \$9,169 53 |
| Belmont, . . . | 2,794 77 | 799 71 | 1,333 19 | 4,927 67 |
| Boston, . . . | 32,339 53 | 9,253 73 | 27,968 07 | 69,561 33 |
| Cambridge, . . . | 49,048 29 | 14,034 83 | 29,837 44 | 92,920 56 |
| Chelsea, . . . | 11,638 24 | 3,330 20 | 11,419 09 | 26,387 53 |
| Everett, . . . | 10,340 67 | 2,958 91 | 8,912 11 | 22,211 69 |
| Lexington, . . . | 1,736 75 | 496 96 | 1,144 81 | 3,378 52 |
| Malden, . . . | 16,229 65 | 4,644 00 | 11,650 95 | 32,524 60 |
| Medford, . . . | 10,061 19 | 2,878 94 | 6,028 35 | 18,968 48 |
| Melrose, . . . | 7,146 64 | 2,044 96 | 4,376 35 | 13,567 95 |
| Revere, . . . | 5,729 29 | 1,639 40 | 3,883 65 | 11,252 34 |
| Somerville, . . . | 27,189 16 | 7,779 99 | 21,215 16 | 56,184 31 |
| Stoneham, . . . | 2,195 90 | 628 34 | 1,941 82 | 4,766 06 |
| Wakefield, . . . | 3,872 76 | 1,108 16 | 3,144 60 | 8,125 52 |
| Winchester, . . . | 5,389 92 | 1,542 29 | 2,521 47 | 9,453 68 |
| Winthrop, . . . | 4,311 94 | 1,233 83 | 2,159 19 | 7,704 96 |
| Woburn, . . . | 4,771 08 | 1,365 21 | 4,419 82 | 10,556 11 |
| | \$199,626 75 | \$57,121 81 | \$144,912 28 | \$401,660 84 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

| BONDS ISSUED AND AMOUNT PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1908. | Amount of Dec. 1, 1908, Sinking Fund at Maturity of Loan Accumulations at 3 Per Cent. | Balance. | Proportion of Balance to be provided for this Year. | Sinking Fund Requirements for 1909. |
|---------------------------------------|----------------------|----------------------------|---|----------------|---|-------------------------------------|
| \$5,330,000 (1,465,750) | Jan., 1930, Sunk. | \$905,852 25 | \$1,692,899 33 | \$5,102,850 67 | \$85,047 51 $\frac{1}{60}$ | \$46,883 49 |
| 465,000 (104,562) | Jan., 1930, Sunk. | 61,686 95 | 115,283 47 | 454,278 53 | 13,249 79 $\frac{1}{240}$ | 7,304 12 |
| 250,000 (18,750) | July, 1943, Sunk. | 7,332 18 | 20,482 83 | 248,267 17 | 3,103 34 $\frac{1}{60}$ | 1,144 48 |
| 50,000 (3,750) | Jan., 1943, Sunk. | 1,473 56 | 4,055 63 | 49,694 37 | 621 18 $\frac{1}{60}$ | 232 52 |
| 55,000 (2,290) | July, 1943, Sunk. | 2,617 11 | 7,419 07 | 49,870 93 | 1,038 98 $\frac{1}{48}$ | 383 17 |
| 300,000 | Jan. 1949, | - | - | - | 3,750 00 $\frac{1}{60}$ | 1,174 03 |
| \$6,450,000 (1,595,102) | - Sunk. | \$978,962 05 | \$1,840,140 33 | \$5,904,961 67 | \$106,810 80 | \$57,121 81 |

METROPOLITAN SEWERAGE LOAN.

North System.

| BONDS ISSUED. | Due Date. | Amount provided for. | Amount to be provided for. | 1909. |
|---------------|-----------|------------------------------|---|-----------------|
| \$5,330,000 | 1930 | $\frac{1}{8} + \frac{9}{60}$ | $\frac{1}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 265,000 | 1930 | $\frac{63}{240}$ | $\frac{1}{3} + \frac{1}{8} + \frac{3}{8}$ | $\frac{7}{240}$ |
| 200,000 | 1930 | $\frac{42}{240}$ | $\frac{1}{3} + \frac{1}{8} + \frac{11}{240}$ | $\frac{7}{240}$ |
| 300,000 | 1943 | $\frac{6}{80}$ | $\frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{80}{80}$ |
| 55,000 | 1943 | $\frac{2}{48}$ | $\frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{48}$ |
| 300,000 | 1949 | - | $\frac{1}{8} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |

*Proportions for Interest and Sinking Fund Requirements under Chapter
369, Acts of 1906, North System.*

| CITIES AND TOWNS. | State Valuation 1907. | Ratios in Per- centages. | CITIES AND TOWNS. | State Valuation 1907. | Ratios in Per- centages. |
|------------------------|--------------------------|--------------------------------|-------------------|--------------------------|--------------------------------|
| Arlington, . | \$10,971,184 | 2.42 | Revere, . | \$13,005,961 | 2.87 |
| Belmont, . | 6,327,788 | 1.40 | Somerville, . | 61,678,378 | 13.62 |
| Boston, ¹ . | 73,391,000 | 16.20 | Stoneham, . | 4,994,931 | 1.10 |
| Cambridge, . | 111,308,476 | 24.57 | Wakefield, . | 8,779,356 | 1.94 |
| Chelsea, . | 26,421,137 | 5.83 | Winchester, . | 12,233,803 | 2.70 |
| Everett, . | 23,474,573 | 5.18 | Winthrop, . | 9,776,125 | 2.16 |
| Lexington, . | 3,957,970 ² | 0.87 | Woburn, . | 10,821,094 | 2.39 |
| Malden, . | 36,841,031 | 8.13 | | | |
| Medford, . | 22,816,242 | 5.04 | | \$452,990,075 | 100.00 |
| Melrose, . | 16,191,026 | 3.58 | | | |

¹ Charlestown and East Boston.

² 54.75 per cent. of the town valuation, derived from figures furnished by the clerk of the board of assessors.

Proportions for the Cost of Maintenance and Operation, North System.

| CITIES AND TOWNS. | Population State Census 1905. | Ratios in Per- centages. | CITIES AND TOWNS. | Population State Census 1905. | Ratios in Per- centages. |
|------------------------|-------------------------------------|--------------------------------|-------------------|-------------------------------------|--------------------------------|
| Arlington, . | 9,668 | 2.04 | Revere, . | 12,659 | 2.68 |
| Belmont, . | 4,360 | 0.92 | Somerville, . | 69,272 | 14.64 |
| Boston, ¹ . | 91,317 | 19.30 | Stoneham, . | 6,332 | 1.34 |
| Cambridge, . | 97,434 | 20.59 | Wakefield, . | 10,268 | 2.17 |
| Chelsea, . | 37,289 | 7.88 | Winchester, . | 8,242 | 1.74 |
| Everett, . | 29,111 | 6.15 | Winthrop, . | 7,034 | 1.49 |
| Lexington, . | 3,750 ² | 0.79 | Woburn, . | 14,402 | 3.05 |
| Malden, . | 38,037 | 8.04 | | | |
| Medford, . | 19,686 | 4.16 | | 473,156 | 100.00 |
| Melrose, . | 14,295 | 3.02 | | | |

¹ Charlestown and East Boston.

² Population of Lexington sewerage district certified by the clerk of the assessors.

METROPOLITAN SEWERAGE LOAN.

South System.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Maintenance. | Total Assessment. |
|-------------------|--------------|---------------|--------------|-------------------|
| Boston, . . . | \$120,615 05 | \$22,824 99 | \$45,865 11 | \$189,305 15 |
| Brookline, . . . | 65,556 90 | 12,405 88 | 7,621 18 | 85,583 96 |
| Dedham, . . . | 7,029 34 | 1,330 22 | 2,849 31 | 11,208 87 |
| Hyde Park, . . . | 7,964 58 | 1,507 20 | 5,067 64 | 14,539 42 |
| Milton, . . . | 16,291 18 | 3,082 92 | 2,514 10 | 21,888 20 |
| Newton, . . . | 45,735 97 | 8,655 00 | 12,846 57 | 67,237 54 |
| Quincy, . . . | 15,295 61 | 2,894 51 | 9,139 50 | 27,329 62 |
| Waltham, . . . | 14,933 58 | 2,826 00 | 8,981 75 | 26,741 33 |
| Watertown, . . . | 8,266 26 | 1,564 29 | 3,707 07 | 13,537 62 |
| | \$301,688 47 | \$57,091 01 | \$98,592 23 | \$457,371 71 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1908. | Amount of Dec. 1, 1908, Sinking Fund at Maturity of Loan Accu- mulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Require- ments for 1909. |
|---|----------------------|----------------------------------|---|-----------------------------|---|---|
| \$800,000 (220,000) | Jan., 1930, Sunk. | \$133,915 87 | \$250,268 28 | \$769,731 72 $\frac{1}{60}$ | \$12,828 86 $\frac{1}{60}$ | \$7,072 07 |
| 839,000 (160,808) | Mar., 1935, Sunk. | 83,081 42 | 181,544 52 | 818,263 48 $\frac{1}{60}$ | 13,637 72 $\frac{1}{60}$ | 6,429 76 |
| 65,000 (11,375) | Mar., 1936, Sunk. | 5,640 30 | 12,697 36 | 63,677 64 $\frac{1}{60}$ | 1,061 29 $\frac{1}{60}$ | 485 74 |
| 1,024,912 (128,114) | July, 1939, Sunk. | 57,913 29 | 143,971 05 | 1,009,054 95 $\frac{1}{60}$ | 16,817 58 $\frac{1}{60}$ | 6,969 46 |
| 2,000,000 (218,750) | July, 1940, Sunk. | 94,275 39 | 241,450 07 | 1,977,299 93 $\frac{1}{64}$ | 30,895 31 $\frac{1}{64}$ | 12,427 83 |
| 1,586,000 (169,928) | July, 1940, Sunk. | 72,361 13 | 185,325 15 | 1,570,602 85 $\frac{1}{56}$ | 28,046 47 $\frac{1}{56}$ | 11,281 87 |
| 996,000 (74,700) | Jan., 1943, Sunk. | 29,200 84 | 80,368 56 | 990,331 44 $\frac{1}{60}$ | 12,379 14 $\frac{1}{60}$ | 4,633 74 |
| 392,000 (21,777) | July, 1944, Sunk. | 7,821 15 | 22,176 52 | 391,600 48 $\frac{1}{72}$ | 5,438 89 $\frac{1}{72}$ | 1,942 15 |
| 175,000 (4,861) | Jan., 1946, Sunk. | 7,357 50 | 22,142 02 | 157,718 98 $\frac{1}{72}$ | 2,190 54 $\frac{1}{72}$ | 749 88 |
| 1,000,000 (15,625) | Jan., 1946, Sunk. | 20,746 73 | 62,436 24 | 953,188 76 $\frac{1}{64}$ | 14,893 57 $\frac{1}{64}$ | 5,098 51 |
| \$8,877,912 (1,025,938) | - Sunk. | \$512,313 62 | \$1,202,379 77 | \$8,701,470 23 | \$138,189 37 | \$57,091 01 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

| DUE DATES. | Bonds issued. | Amount provided for. | Amount to be provided for. | 1909. |
|---------------|---------------|------------------------------|--|----------------|
| 1930, | \$800,000 | $\frac{1}{8} + \frac{2}{60}$ | $\frac{1}{60} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{60}$ |
| 1935, | \$839,000 | $\frac{1}{8} + \frac{4}{60}$ | $\frac{6}{60} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{60}$ |
| 1936, | \$65,000 | $\frac{1}{8} + \frac{2}{60}$ | $\frac{7}{60} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{60}$ |
| 1939, | \$1,024,912 | $\frac{1}{8}$ | $\frac{10}{60} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{60}$ |
| 1940, | \$2,000,000 | $\frac{7}{64}$ | $\frac{1}{64} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{64}$ |
| 1940, | 1,586,000 | $\frac{6}{56}$ | $\frac{1}{56} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{56}$ |
| | \$3,586,000 | | | |
| 1943, | \$996,000 | $\frac{6}{80}$ | $\frac{4}{80} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{80}$ |
| 1944, | \$392,000 | $\frac{4}{72}$ | $\frac{5}{72} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{72}$ |
| 1946, | \$175,000 | $\frac{2}{72}$ | $\frac{7}{72} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{72}$ |
| 1946, | 1,000,000 | $\frac{1}{64}$ | $\frac{7}{64} + \frac{1}{6} + \frac{1}{3} + \frac{2}{3}$ | $\frac{1}{64}$ |
| | \$1,175,000 | | | |

Proportions for Annual Payments for Cost of Maintenance, Operation, Interest and Sinking Fund Requirements, South System.

| CITIES AND TOWNS. | Population. 1900. | Proportion for Maintenance and Operation (Per Cent.). | Valuation. | Proportion for Interest and Sinking Funds (Per Cent.). |
|--------------------|----------------------|--|---------------|---|
| Boston, | 119,921 | 46.52 | \$188,227,950 | 39.98 |
| Brookline, | 19,935 | 7.73 | 102,306,308 | 21.73 |
| Dedham, | 7,457 | 2.89 | 10,965,988 | 2.33 |
| Hyde Park, | 13,244 | 5.14 | 12,415,331 | 2.64 |
| Milton, | 6,578 | 2.55 | 25,435,822 | 5.40 |
| Newton, | 33,587 | 13.03 | 71,356,289 | 15.16 |
| Quincy, | 23,899 | 9.27 | 23,894,528 | 5.07 |
| Waltham, | 23,481 | 9.11 | 23,297,415 | 4.95 |
| Watertown, | 9,706 | 3.76 | 12,921,271 | 2.74 |
| | 257,808 | 100.00 | \$470,820,902 | 100.00 |

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1908 and 1909.

| CITIES AND TOWNS. | PARKS. | | SEWER. | |
|-------------------|----------------|-----------------------------|--------------|--------------|
| | 1908. | 1909. | 1908. | 1909. |
| Boston, . . | \$634,583 07 | \$649,894 15 | \$262,095 74 | \$258,866 48 |
| Cambridge, . . | 56,080 91 | 57,458 52 | 99,768 95 | 92,920 56 |
| Chelsea, . . | 15,322 92 | 15,769 81 | 28,155 30 | 26,387 53 |
| Everett, . . | 16,783 75 | 17,345 47 | 23,092 42 | 22,211 69 |
| Lynn, . . | 28,088 12 | 28,771 46 | - | - |
| Malden, . . | 20,746 79 | 21,291 49 | 33,189 92 | 32,524 60 |
| Medford, . . | 29,816 10 | 29,895 94 | 20,019 71 | 18,968 48 |
| Melrose, . . | 7,868 56 | 8,058 34 | 14,397 93 | 13,567 95 |
| Newton, . . | 36,903 68 | 37,628 03 | 66,173 70 | 67,237 54 |
| Quincy, . . | 14,181 85 | 14,582 17 | 27,109 15 | 27,329 62 |
| Somerville, . . | 37,019 34 | 37,376 52 | 59,602 25 | 56,184 31 |
| Waltham, . . | 11,581 66 | 11,861 08 | 26,527 72 | 26,741 33 |
| Woburn, . . | 5,666 52 | 5,803 19 | 11,943 75 | 10,556 11 |
| Arlington, . . | 5,129 49 | 5,253 27 | 9,507 36 | 9,169 53 |
| Belmont, . . | 3,120 71 | 3,196 03 | 5,200 39 | 4,927 67 |
| Braintree, . . | 2,631 27 | 2,694 76 | - | - |
| Brookline, . . | 50,851 09 | 52,077 83 | 83,757 57 | 85,583 96 |
| Canton, . . | 2,099 61 | 2,150 24 | - | - |
| Cohasset, . . | 192 12 | 196 30 | - | - |
| Dedham, . . | 5,768 93 | 5,908 08 | 11,069 82 | 11,208 87 |
| Dover, . . | 570 93 | 584 80 | - | - |
| Hingham, . . | 2,489 47 | 2,549 58 | - | - |
| Hull, . . | 2,180 66 | 2,233 25 | - | - |
| Hyde Park, . . | 6,486 14 | 6,650 62 | 14,433 24 | 14,539 42 |
| Lexington, . . | - | - | 3,638 02 | 3,378 52 |
| Milton, . . | 18,891 97 | 19,505 54 | 21,451 65 | 21,888 20 |
| Nahant, . . | 4,808 56 | 4,951 24 | - | - |
| Needham, . . | 2,129 20 | 2,180 52 | - | - |
| Reading, . . | 493 25 | 458 97 | - | - |
| Revere, . . | 15,613 78 | 16,234 58 | 11,596 12 | 11,252 34 |
| Saugus, . . | 2,120 45 | 2,171 59 | - | - |
| Stoneham, . . | 4,293 52 | 4,235 44 | 5,343 13 | 4,766 06 |
| Swampscott, . . | 5,413 06 | 5,543 63 | - | - |
| Wakefield, . . | 4,181 22 | 4,282 09 | 8,659 83 | 8,125 52 |
| Watertown, . . | 6,422 08 | 6,576 98 | 13,384 05 | 13,537 62 |
| Wellesley, . . | 6,679 36 | 6,757 49 | - | - |
| Weston, . . | 3,477 12 | 3,561 01 | - | - |
| Westwood, . . | 1,111 94 | 1,138 80 | - | - |
| Weymouth, . . | 3,537 34 | 3,622 66 | - | - |
| Winchester, . . | 9,286 33 | 9,607 86 | 9,285 97 | 9,453 68 |
| Winthrop, . . | 4,343 83 | 4,448 64 | 7,605 53 | 7,704 96 |
| | \$1,088,966 70 | \$1,114,507 97 ¹ | \$877,009 22 | \$859,032 55 |

¹ Includes \$19,418.56, special assessment for Wellington and Wellesley bridges.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 3 per cent. per annum, compounded semi-annually, amounts to the following in from 1 to 50 years, both inclusive : —

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 49.19242586.

| | | | | | |
|----------------------------|---|-------------|----------------------------|---|-------------|
| \$1 for 1 year | = | 1.03022500 | \$1 each year for 19 years | = | 25.93195699 |
| \$1 in 2 years | = | 1.06136355 | \$1 in 20 years | = | 1.81401838 |
| \$1 each year for 2 years | = | 2.09158855 | \$1 each year for 20 years | = | 27.74597537 |
| \$1 in 3 years | = | 1.09344326 | \$1 in 21 years | = | 1.86884708 |
| \$1 each year for 3 years | = | 3.18503181 | \$1 each year for 21 years | = | 29.61482245 |
| \$1 in 4 years | = | 1.12649258 | \$1 in 22 years | = | 1.92533299 |
| \$1 each year for 4 years | = | 4.31152439 | \$1 each year for 22 years | = | 31.54015544 |
| \$1 in 5 years | = | 1.16054082 | \$1 in 23 years | = | 1.98352617 |
| \$1 each year for 5 years | = | 5.47206521 | \$1 each year for 23 years | = | 33.52368161 |
| \$1 in 6 years | = | 1.19561816 | \$1 in 24 years | = | 2.04347825 |
| \$1 each year for 6 years | = | 6.66768337 | \$1 each year for 24 years | = | 35.56715986 |
| \$1 in 7 years | = | 1.23175572 | \$1 in 25 years | = | 2.10524238 |
| \$1 each year for 7 years | = | 7.89943909 | \$1 each year for 25 years | = | 37.67240224 |
| \$1 in 8 years | = | 1.26898553 | \$1 in 26 years | = | 2.16887333 |
| \$1 each year for 8 years | = | 9.16842462 | \$1 each year for 26 years | = | 39.84127557 |
| \$1 in 9 years | = | 1.30734062 | \$1 in 27 years | = | 2.23442753 |
| \$1 each year for 9 years | = | 10.47576524 | \$1 each year for 27 years | = | 42.07570310 |
| \$1 in 10 years | = | 1.34685499 | \$1 in 28 years | = | 2.30196310 |
| \$1 each year for 10 years | = | 11.82262023 | \$1 each year for 28 years | = | 44.37766620 |
| \$1 in 11 years | = | 1.38756368 | \$1 in 29 years | = | 2.37153993 |
| \$1 each year for 11 years | = | 13.21018391 | \$1 each year for 29 years | = | 46.74920613 |
| \$1 in 12 years | = | 1.42950279 | \$1 in 30 years | = | 2.44321973 |
| \$1 each year for 12 years | = | 14.63968670 | \$1 each year for 30 years | = | 49.19242586 |
| \$1 in 13 years | = | 1.47270952 | \$1 in 31 years | = | 2.51706605 |
| \$1 each year for 13 years | = | 16.11239622 | \$1 each year for 31 years | = | 51.70949191 |
| \$1 in 14 years | = | 1.51722216 | \$1 in 32 years | = | 2.59314437 |
| \$1 each year for 14 years | = | 17.62961838 | \$1 each year for 32 years | = | 54.30263628 |
| \$1 in 15 years | = | 1.56308020 | \$1 in 33 years | = | 2.67152215 |
| \$1 each year for 15 years | = | 19.19269858 | \$1 each year for 33 years | = | 56.97415843 |
| \$1 in 16 years | = | 1.61032430 | \$1 in 34 years | = | 2.75226890 |
| \$1 each year for 16 years | = | 20.80302288 | \$1 each year for 34 years | = | 59.72642733 |
| \$1 in 17 years | = | 1.65899635 | \$1 in 35 years | = | 2.83545622 |
| \$1 each year for 17 years | = | 22.46201923 | \$1 each year for 35 years | = | 62.56188355 |
| \$1 in 18 years | = | 1.70913951 | \$1 in 36 years | = | 2.92115788 |
| \$1 each year for 18 years | = | 24.17115874 | \$1 each year for 36 years | = | 65.48304143 |
| \$1 in 19 years | = | 1.76079825 | \$1 in 37 years | = | 3.00944986 |
| \$1 each year for 19 years | = | 25.93195699 | \$1 each year for 37 years | = | 68.49249129 |

SINKING FUND TABLE — *Concluded.*

| | | | |
|------------------------------|-------------|------------------------------|--------------|
| \$1 each year for 37 years = | 68.49249129 | \$1 each year for 44 years = | 92.26545692 |
| \$1 in 38 years = | 3.10041047 | \$1 in 45 years = | 3.81894828 |
| \$1 each year for 38 years = | 71.59290176 | \$1 each year for 45 years = | 96.08440520 |
| \$1 in 39 years = | 3.19412036 | \$1 in 46 years = | 3.93437598 |
| \$1 each year for 39 years = | 74.78702212 | \$1 each year for 46 years = | 100.01878118 |
| \$1 in 40 years = | 3.29066264 | \$1 in 47 years = | 4.05329248 |
| \$1 each year for 40 years = | 78.07768476 | \$1 each year for 47 years = | 104.07207366 |
| \$1 in 41 years = | 3.39012290 | \$1 in 48 years = | 4.17580323 |
| \$1 each year for 41 years = | 81.46780766 | \$1 each year for 48 years = | 108.24787689 |
| \$1 in 42 years = | 3.49258936 | \$1 in 49 years = | 4.30201689 |
| \$1 each year for 42 years = | 84.96039702 | \$1 each year for 49 years = | 112.54989378 |
| \$1 in 43 years = | 3.59815287 | \$1 in 50 years = | 4.43204535 |
| \$1 each year for 43 years = | 88.55854989 | \$1 each year for 50 years = | 116.98193913 |
| \$1 in 44 years = | 3.70690703 | | |
| \$1 each year for 44 years = | 92.26545692 | | |



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The Commonwealth of Massachusetts.

1910

ASSESSMENTS

FOR

INTEREST, SINKING FUNDS
AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS.

ISSUED BY THE

TREASURER AND RECEIVER-GENERAL.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1910.

The Commonwealth of Massachusetts.

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1910.

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BOSTON

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, July 25, 1910.

Computations for the annual assessments for interest, sinking fund and maintenance for 1910 to be paid by the cities and towns comprising the metropolitan districts for the water, park and sewer systems, have been printed and are sent to each city and town, in order that the figures may be verified and the taxpayers of the districts be assured the amount levied is correct.

The total metropolitan assessments for the past six years are as follows :—

| | |
|-----------------|----------------|
| 1905, | \$3,722,725 93 |
| 1906, | 3,975,114 40 |
| 1907, | 3,963,700 68 |
| 1908, | 4,237,127 45 |
| 1909, | 4,334,286 80 |
| 1910, | 4,371,029 33 |

No assessment has yet been made on the metropolitan district as a whole for the Charles River basin. The commissioners, as authorized by law, have been duly appointed, and will undoubtedly report their findings during the present year. Under authority of chapter 175 of the Acts of the year 1909 the Treasurer and Receiver-General assessed upon the cities of Boston and Cambridge, to meet the interest and sinking fund requirements for the year 1909, the sum of \$328,606.20, and to meet the same requirements for the year 1910 he has assessed the sum of \$155,720, divided as follows :—

| | |
|---|-------------|
| Assessment to be paid by city of Boston for interest requirements, | \$96,930 00 |
| Sinking fund requirements, | 34,459 00 |
| Assessment to be paid by city of Cambridge for interest requirements, | 17,950 00 |
| Sinking fund requirements, | 6,381 00 |

ELMER A. STEVENS,

Treasurer and Receiver-General.

Total Assessments of the Metropolitan Districts for 1910.

| | Metropolitan Water. | Metropolitan Parks and Boulevards. | Metropolitan Sewer, North and South Systems. | Total. |
|-------------------|------------------------|--|---|-----------------------------|
| Arlington, . . . | \$16,241 07 | \$5,537 80 | \$10,319 02N | \$32,097 89 |
| Belmont, . . . | 6,812 68 | 3,369 12 | 5,545 04N | 15,726 84 |
| Boston, . . . | 1,815,658 85 | 685,093 37 | 74,329 82N 195,328 79s | 2,770,410 83 |
| Braintree, . . . | — | 2,840 73 | — | 2,840 73 |
| Brookline, . . . | — | 54,898 40 | 83,289 83s | 138,188 23 |
| Cambridge, . . . | — | 60,573 68 | 99,695 56N | 160,269 24 |
| Canton, . . . | — | 2,266 69 | — | 2,266 69 |
| Chelsea, . . . | 47,716 42 | 16,633 75 | 26,911 34N | 91,261 51 |
| Cohasset, . . . | — | 203 44 | — | 203 44 |
| Dedham, . . . | — | 6,228 09 | 11,219 96s | 17,448 05 |
| Dover, . . . | — | 616 47 | — | 616 47 |
| Everett, . . . | 45,937 13 | 18,304 86 | 25,610 54N | 89,852 53 |
| Hingham, . . . | — | 2,687 68 | — | 2,687 68 |
| Hull, . . . | — | 2,354 19 | — | 2,354 19 |
| Hyde Park, . . . | 1,316 24 | 7,011 87 | 14,148 98s | 22,477 09 |
| Lexington, . . . | 7,501 34 | — | 4,066 79N | 11,568 13 |
| Lynn, . . . | — | 30,330 46 | — | 30,330 46 |
| Malden, . . . | 42,302 82 | 22,442 80 | 39,209 87N | 103,955 49 |
| Medford, . . . | 32,690 39 | 30,973 21 | 20,901 64N | 84,565 24 |
| Melrose, . . . | 19,640 91 | 8,494 76 | 14,834 95N | 42,970 62 |
| Milton, . . . | 15,113 85 | 20,582 01 | 21,468 88s | 57,164 74 |
| Nahant, . . . | 4,357 11 | 5,222 82 | — | 9,579 93 |
| Needham, . . . | — | 2,298 61 | — | 2,298 61 |
| Newton, . . . | 6,370 34 | 39,577 62 | 63,310 01s | 109,257 97 |
| Quincy, . . . | 50,950 31 | 15,379 35 | 28,372 01s | 94,701 67 |
| Reading, . . . | — | 453 70 | — | 453 70 |
| Revere, . . . | 23,139 93 | 17,144 88 | 13,481 40N | 53,766 21 |
| Saugus, . . . | — | 2,289 20 | — | 2,289 20 |
| Somerville, . . . | 110,056 25 | 39,029 67 | 61,151 21N | 210,237 13 |
| Stoneham, . . . | 9,670 13 | 4,359 42 | 5,084 89N | 19,114 44 |
| Swampscott, . . . | 9,547 88 | 5,843 89 | — | 15,391 77 |
| Wakefield, . . . | — | 4,514 01 | 9,057 67N | 13,571 68 |
| Waltham, . . . | — | 12,503 46 | 26,502 34s | 39,005 80 |
| Watertown, . . . | 16,082 35 | 6,933 19 | 13,430 95s | 36,446 49 |
| Wellesley, . . . | — | 7,079 27 | — | 7,079 27 |
| Weston, . . . | — | 3,753 90 | — | 3,753 90 |
| Westwood, . . . | — | 1,200 47 | — | 1,200 47 |
| Weymouth, . . . | — | 3,818 86 | — | 3,818 86 |
| Winchester, . . . | — | 10,140 63 | 11,008 98N | 21,149 61 |
| Winthrop, . . . | 16,681 77 | 4,689 60 | 9,662 19N | 31,033 56 |
| Woburn, . . . | — | 6,117 47 | 11,505 50N | 17,622 97 |
| | \$2,297,787 77 | \$1,173,793 40 | \$899,448 16 | \$4,371,029 33 ¹ |

N, North System.

S, South System.

¹ Includes \$19,240.99 assessment for Wellington and Wellesley bridges.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1910.

The gross metropolitan water debt, April 1, 1910, was . . . \$41,398,000 00
 an increase for the year of \$500,000.

The sinking funds established for payment of same April 1, 1910,
 amounted to 7,320,631 87
 an increase for the year of \$834,606.51.

The net metropolitan water debt, April 1, 1910, was . . . \$34,077,368 13
 a decrease for the year of \$334,606.51.

Total Metropolitan Water Assessment for 1910.

Sinking fund requirements (see page 6), \$522,344 24
 Interest:—

| | |
|--|----------------|
| One year on \$40,898,000, | \$1,375,935 00 |
| Six months on \$500,000, | 8,750 00 |
| Interest on advances, estimated, 1910, | 25,000 00 |
| | <hr/> |
| | \$1,409,685 00 |

Less interest on advances over-

| | |
|-------------------------------|-------------|
| estimated in 1909, | \$12,088 98 |
| Accrued interest, | 2,301 36 |
| Interest on deposits, | 92 71 |
| | <hr/> |
| | 14,483 05 |

1,395,201 95

| | |
|---|--------------|
| Maintenance as appropriated by Legislature, | \$420,000 00 |
| Less balance on hand, | 39,758 42 |
| | <hr/> |
| | 380,241 58 |

380,241 58

| | |
|--|----------------|
| Total water assessment for 1910, | \$2,297,787 77 |
|--|----------------|

METROPOLITAN WATER LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Dec. 1, 1909. | Amount of 1910 Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 3 Per Cent. | Balance to be sunk. | Sinking Fund Requirements in 1910. |
|------------------|------------|-------------------------------|---|------------------------|--|
| \$13,000,000 | July, 1935 | \$3,307,933 03 | \$7,068,460 81 | \$5,931,539 19 | \$159,812 28 |
| 4,000,000 | Jan., 1938 | 832,724 33 | 1,916,900 68 | 2,083,099 32 | 48,359 04 |
| 4,000,000 | July, 1939 | 676,974 45 | 1,629,554 01 | 2,370,445 99 | 51,466 18 |
| 10,000,000 | Jan., 1941 | 1,366,380 61 | 3,439,270 24 | 6,560,729 76 | 130,711 55 |
| 3,500,000 | Jan., 1942 | 444,195 72 | 1,151,863 63 | 2,348,136 37 | 44,548 65 |
| 2,000,000 | Jan., 1943 | 208,826 26 | 557,883 97 | 1,442,116 03 | 26,076 81 |
| 2,000,000 | Jan., 1944 | 179,325 60 | 493,552 27 | 1,506,447 73 | 25,984 82 |
| 650,000 | Jan., 1945 | 83,239 79 | 236,022 78 | 413,977 22 | 6,817 09 |
| 1,350,000 | Jan., 1946 | 93,948 72 | 274,439 04 | 1,075,560 96 | 16,921 48 |
| 398,000 | Jan., 1949 | 9,857 57 | 31,486 26 | 366,513 74 | 5,048 90 |
| 500,000 | Jan., 1950 | — | — | — | 6,597 44 |
| \$41,398,000 | — | \$7,203,406 08 | \$16,799,433 69 | \$24,098,566 31 | \$522,344 24 |

Computations for determining the Assessment for 1910. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based on the ratio of its valuation of property to its consumption of water, with double weight being given to consumption. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each town's assessment, multiply the total assessment by the average ratio.]

| CITIES AND TOWNS. | Valuation May 1, 1909. | Average Daily Con- sumption (Gallons), 1909. | RATIO OF TOTALS. | | Average Ratio, Double Weight to Consumption. |
|-------------------------|---------------------------|--|------------------|---------------|---|
| | | | Valuation. | Consumption. | |
| Boston, | \$1,347,948,227 | 94,029,900 | .791,776,324 | .789,377,186 | .790,176,899 |
| Chelsea, | 24,041,350 | 2,869,400 | .014,121,738 | .024,088,496 | .020,766,243 |
| Everett, | 26,606,450 | 2,641,300 | .015,628,462 | .022,173,606 | .019,991,891 |
| Malden, | 41,189,680 | 1,848,500 | .024,194,559 | .015,518,082 | .018,410,241 |
| Medford, | 23,145,500 | 1,732,300 | .013,595,521 | .014,542,588 | .014,226,899 |
| Melrose, | 16,149,825 | 962,300 | .009,486,306 | .008,078,469 | .008,547,748 |
| Newton, ¹ | 14,159,378 | — | .008,317,130 | — | .002,772,377 |
| Quincy, | 29,811,565 | 2,919,000 | .017,511,127 | .024,504,886 | .022,173,633 |
| Somerville, | 63,658,953 | 6,331,000 | .037,392,869 | .053,148,488 | .047,896,615 |
| Arlington, | 11,479,914 | 861,300 | .006,743,229 | .007,230,579 | .007,068,129 |
| Belmont, | 6,278,770 | 310,100 | .003,688,110 | .002,603,277 | .002,964,888 |
| Hyde Park, ¹ | 2,925,619 | — | .001,718,490 | — | .000,572,830 |
| Lexington, | 7,257,810 | 329,400 | .004,263,192 | .002,765,300 | .003,264,597 |
| Milton, | 24,641,225 | 313,200 | .014,474,101 | .002,629,301 | .006,577,568 |
| Nahant, | 6,128,760 | 124,400 | .003,599,995 | .001,044,333 | .001,896,221 |
| Revere, | 15,683,550 | 1,250,700 | .009,212,419 | .010,499,576 | .010,070,524 |
| Stoneham, | 5,052,490 | 575,200 | .002,967,801 | .004,828,781 | .004,208,454 |
| Swampscott, | 10,125,926 | 388,200 | .005,947,905 | .003,258,923 | .004,155,250 |
| Watertown, | 14,157,041 | 755,300 | .008,315,757 | .006,340,713 | .006,999,061 |
| Winthrop, | 11,993,600 | 877,600 | .007,044,965 | .007,367,416 | .007,259,932 |
| | \$1,702,435,633 | 119,119,100 | 1,000,000,000 | 1,000,000,000 | 1,000,000,000 |

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present these towns have a sufficient supply, and have not made application for water.

METROPOLITAN WATER LOAN.

Division of the Assessment for 1910 into Cost of Maintenance, Interest and Sinking Fund Requirements.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Cost of Maintenance. | Total Assessment. |
|-------------------|----------------|---------------|----------------------|-------------------|
| Boston, . . . | \$1,102,456 35 | \$412,744 35 | \$300,458 15 | \$1,815,658 85 |
| Chelsea, . . . | 28,973 10 | 10,847 13 | 7,896 19 | 47,716 42 |
| Everett, . . . | 27,892 73 | 10,442 65 | 7,601 75 | 45,937 13 |
| Malden, . . . | 25,686 00 | 9,616 48 | 7,000 34 | 42,302 82 |
| Medford, . . . | 19,849 40 | 7,431 34 | 5,409 65 | 32,690 39 |
| Melrose, . . . | 11,925 83 | 4,464 87 | 3,250 21 | 19,640 91 |
| Newton, . . . | 3,868 03 | 1,448 14 | 1,054 17 | 6,370 34 |
| Quincy, . . . | 30,936 70 | 11,582 27 | 8,431 34 | 50,950 31 |
| Somerville, . . . | 66,825 45 | 25,018 52 | 18,212 28 | 110,056 25 |
| Arlington, . . . | 9,861 47 | 3,692 00 | 2,687 60 | 16,241 07 |
| Belmont, . . . | 4,136 62 | 1,548 69 | 1,127 37 | 6,812 68 |
| Hyde Park, . . . | 799 21 | 299 22 | 217 81 | 1,316 24 |
| Lexington, . . . | 4,554 77 | 1,705 24 | 1,241 33 | 7,501 34 |
| Milton, . . . | 9,177 04 | 3,435 75 | 2,501 06 | 15,113 85 |
| Nahant, . . . | 2,645 61 | 990 48 | 721 02 | 4,357 11 |
| Revere, . . . | 14,050 42 | 5,260 28 | 3,829 23 | 23,139 93 |
| Stoneham, . . . | 5,871 64 | 2,198 26 | 1,600 23 | 9,670 13 |
| Swampscott, . . . | 5,797 41 | 2,170 47 | 1,580 00 | 9,547 88 |
| Watertown, . . . | 9,765 10 | 3,655 92 | 2,661 33 | 16,082 35 |
| Winthrop, . . . | 10,129 07 | 3,792 18 | 2,760 52 | 16,681 77 |
| | \$1,395,201 95 | \$522,344 24 | \$380,241 58 | \$2,297,787 77 |

*Comparison of Total Assessments, 1909 and 1910, with Revenue from
Water Rates in 1909.*

| CITIES AND TOWNS. | WATER ASSESSMENTS. | | Water Revenue received by Cities and Towns, 1909. |
|-----------------------|--------------------|----------------|--|
| | 1909. | 1910. | |
| Boston, | \$1,862,823 42 | \$1,815,658 85 | \$2,679,071 99 ¹ |
| Chelsea, | 51,499 13 | 47,716 42 | 112,145 54 |
| Everett, | 44,833 29 | 45,937 13 | 102,328 25 ² |
| Malden, | 39,350 16 | 42,302 82 | 92,889 83 ¹ |
| Medford, | 36,752 69 | 32,690 39 | 68,920 18 ³ |
| Melrose, | 24,523 38 | 19,640 91 | 39,301 04 ¹ |
| Newton, | 6,524 98 | 6,370 34 | — ⁴ |
| Quincy, | 51,230 04 | 50,950 31 | 113,901 86 ¹ |
| Somerville, | 112,573 20 | 110,056 25 | 238,191 02 ¹ |
| Arlington, | 17,442 46 | 16,241 07 | 51,736 49 |
| Belmont, | 7,461 96 | 6,812 68 | 20,375 11 ² |
| Hyde Park, | 1,327 03 | 1,316 24 | — ⁴ |
| Lexington, | 7,384 17 | 7,501 34 | 23,413 30 |
| Milton, | 15,455 71 | 15,113 85 | 58,258 32 |
| Nahant, | 4,566 73 | 4,357 11 | 10,150 71 |
| Revere, | 23,140 55 | 23,139 93 | 67,456 73 ³ |
| Stoneham, | 10,234 41 | 9,670 13 | 24,544 70 ² |
| Swampscott, | 11,120 03 | 9,547 88 | 27,867 79 |
| Watertown, | 15,758 18 | 16,082 35 | 54,011 72 ² |
| Winthrop, | 16,744 76 | 16,681 77 | 49,947 78 |
| | \$2,360,746 28 | \$2,297,787 77 | \$3,834,512 36 |

¹ No money received for hydrant rentals or water used for street watering and other municipal purposes.

² No money received for hydrant rentals or water used for street watering.

³ No money received for hydrant rentals.

⁴ Not taking water from the district.

Net Water Debt of Cities of the Original Metropolitan Water District.

| CITIES. | 1909. | 1910. | Reduction. |
|-----------------------|------------------------|------------------------|-----------------------|
| Boston, | \$611,543 29 | \$491,340 00 | \$120,203 29 |
| Somerville, | 62,000 00 | 56,000 00 | 6,000 00 |
| Chelsea, | 168,802 00 | 157,984 00 | 10,818 00 |
| Everett, | 94,881 35 | 85,953 49 | 8,927 86 |
| Malden, | 92,296 45 | 78,259 21 | 14,037 24 |
| Medford, | —7,837 31 ¹ | —2,497 20 ¹ | 5,340 11 ² |
| Melrose, | 79,143 98 | 85,697 32 | 6,553 34 ² |
| | \$1,100,829 76 | \$952,736 82 | \$148,092 94 |

¹ Amount in sinking fund \$2,497.20 greater than outstanding debt.

² Increase.

STATEMENT II.
METROPOLITAN PARKS DISTRICT.

The gross metropolitan parks debt, April 1, 1910, was . . . \$9,485,000 00
showing no increase for the past year.

The sinking funds established for payment of same, April 1, 1910,
amounted to 1,901,889 09
an increase for the year of \$220,596.32.

The net metropolitan parks debt, April 1, 1910, was . . . \$7,583,110 91
a decrease for the year of \$220,596.32.

BOULEVARDS.

The gross metropolitan parks, series two, debt (boulevards) (one-half), April 1, 1910, was \$2,567,500 00
showing no increase for the past year.

The sinking funds established for payment of same, April 1, 1910,
amounted to 451,389 52
an increase for the year of \$46,860.45.

The net metropolitan parks, series two (boulevards), debt, April 1, 1910, was \$2,116,110 48
a decrease for the year of \$46,860.45.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1910 is made up as follows:—

| | |
|--|--------------|
| Parks, sinking fund, | \$108,300 93 |
| Parks, series two, sinking fund, | 30,804 00 |
| Nantasket, sinking fund, | 7,702 65 |
| | \$146,807 58 |

Parks interest:—

| | |
|---|--------------|
| One year on . . . \$8,785,000= | \$301,225 00 |
| Interest on advances estimated, | 5,000 00 |
| Interest on advances, 1909, deficiency, | 959 28 |
| | \$307,184 28 |

Parks, series two, interest:—

| | |
|--------------------------------------|-------------|
| One year on . . . \$2,567,500= | \$87,737 50 |
| Less interest on deposits, | 195 90 |
| | 87,541 60 |

| | |
|---|--------------|
| <i>Amounts carried forward,</i> | \$394,725 88 |
| | \$146,807 58 |

| | | | | | |
|--|--|--|--|-----------------------|----------------|
| <i>Amounts brought forward,</i> | | | | \$394,725 88 | \$146,807 58 |
| Nantasket interest:— | | | | | |
| One year on | | | | \$700,000 = 21,000 00 | |
| | | | | <hr/> | 415,725 88 |
| Parks maintenance, | | | | \$469,342 96 | |
| Less balance on hand, | | | | 4,164 27 | |
| | | | | <hr/> | \$465,178 69 |
| Boulevard maintenance, one- | | | | | |
| half, | | | | \$97,253 50 | |
| Less balance on hand, one-half, | | | | 801 84 | |
| | | | | <hr/> | 96,451 66 |
| Nantasket maintenance, | | | | \$26,900 00 | |
| Less balance on hand, | | | | 16 56 | |
| | | | | <hr/> | 26,883 44 |
| | | | | <hr/> | 588,513 79 |
| Wellington Bridge maintenance, one-half, | | | | \$3,506 00 | |
| Less balance on hand, one-half, | | | | 84 | |
| | | | | <hr/> | 3,505 16 |
| | | | | <hr/> | |
| Total parks assessment for 1910, | | | | | \$1,154,552 41 |

METROPOLITAN PARKS, INCLUDING BOULEVARDS AND NANTASKET.

Total Assessments and Grand Total.

| | Total Sinking Fund. | Total Interest. | Total Maintenance. | Grand Total. |
|---------------------|------------------------|-----------------|-----------------------|-----------------------------|
| Boston, | \$86,569 99 | \$245,100 10 | \$353,423 28 | \$685,093 37 |
| Cambridge, | 7,672 59 | 21,724 52 | 31,176 57 | 60,573 68 |
| Chelsea, | 2,159 70 | 6,119 79 | 8,354 26 | 16,633 75 |
| Everett, | 2,430 50 | 6,891 84 | 8,982 52 | 18,304 86 |
| Lynn, | 3,836 82 | 10,863 33 | 15,630 31 | 30,330 46 |
| Malden, | 2,775 08 | 7,862 57 | 10,823 71 | 21,461 36 |
| Medford, | 3,002 74 | 8,517 44 | 10,832 54 | 22,352 72 |
| Melrose, | 1,073 36 | 3,038 94 | 4,382 46 | 8,494 76 |
| Newton, | 4,838 82 | 13,699 85 | 19,754 95 | 38,293 62 |
| Quincy, | 1,986 93 | 5,629 37 | 7,763 05 | 15,379 35 |
| Somerville, | 4,246 09 | 12,024 44 | 17,087 76 | 33,358 29 |
| Waltham, | 1,579 94 | 4,473 18 | 6,450 34 | 12,503 46 |
| Woburn, | 772 96 | 2,188 45 | 3,156 06 | 6,117 47 |
| Arlington, | 699 78 | 1,981 26 | 2,856 76 | 5,537 80 |
| Belmont, | 425 74 | 1,205 37 | 1,738 01 | 3,369 12 |
| Braintree, | 358 98 | 1,016 34 | 1,465 41 | 2,840 73 |
| Brookline, | 6,936 94 | 19,640 11 | 28,321 35 | 54,898 40 |
| Canton, | 286 41 | 810 87 | 1,169 41 | 2,266 69 |
| Cohasset, | 28 19 | 76 86 | 98 39 | 203 44 |
| Dedham, | 786 96 | 2,228 07 | 3,213 06 | 6,228 09 |
| Dover, | 77 90 | 220 55 | 318 02 | 616 47 |
| Hingham, | 339 65 | 961 64 | 1,386 39 | 2,687 68 |
| Hull, | 297 46 | 842 17 | 1,214 56 | 2,354 19 |
| Hyde Park, | 892 04 | 2,526 11 | 3,593 72 | 7,011 87 |
| Milton, | 2,718 96 | 7,708 63 | 10,154 42 | 20,582 01 |
| Nahant, | 679 95 | 1,926 89 | 2,615 98 | 5,222 82 |
| Needham, | 290 42 | 822 26 | 1,185 93 | 2,298 61 |
| Revere, | 2,349 34 | 6,667 94 | 8,127 60 | 17,144 88 |
| Saugus, | 289 26 | 818 97 | 1,180 97 | 2,289 20 |
| Stoneham, | 350 16 | 991 39 | 1,429 89 | 2,771 44 |
| Swampscott, | 738 43 | 2,090 66 | 3,014 80 | 5,843 89 |
| Wakefield, | 570 41 | 1,614 98 | 2,328 62 | 4,514 01 |
| Watertown, | 876 06 | 2,480 34 | 3,576 79 | 6,933 19 |
| Wellesley, | 813 39 | 2,302 89 | 3,320 99 | 6,437 27 |
| Weston, | 474 36 | 1,343 01 | 1,936 53 | 3,753 90 |
| Westwood, | 151 71 | 429 50 | 619 26 | 1,200 47 |
| Weymouth, | 482 54 | 1,366 20 | 1,970 12 | 3,818 86 |
| Winchester, | 1,354 43 | 3,841 27 | 4,944 93 | 10,140 63 |
| Winthrop, | 592 59 | 1,677 78 | 2,419 23 | 4,689 60 |
| | \$146,807 58 | \$415,725 88 | \$592,018 95 | \$1,154,552 41 ¹ |

¹ Exclusive of \$19,240.99 special assessment for Wellington and Wellesley bridges, which is included on page 4.

METROPOLITAN PARKS.

The total amount of bonds issued for the metropolitan parks is \$16,177,500, including one-half of those for the boulevards, also called series two, those for the improvement of the Charles River basin, \$185,-317.42 for the Wellington Bridge and \$16,000 for Newton and Wellesley bridge.

Proportions to be paid annually as found by Commissioners.

| | Parks. 1905-1909. | Boulevards. 1905-1909. | Nantasket. 1905-1909. |
|-----------------------|----------------------|---------------------------|--------------------------|
| Boston, | .62237 | .46716 | .62009 |
| Cambridge, | .05405 | .04558 | .05386 |
| Chelsea, | .01203 | .02482 | .01198 |
| Everett, | .01037 | .03986 | .01033 |
| Lynn, | .02733 | .02166 | .02723 |
| Malden, | .01613 | .02936 | .01607 |
| Medford, | .01081 | .05678 | .01077 |
| Melrose, | .00772 | .00578 | .00769 |
| Newton, | .03479 | .02610 | .03467 |
| Quincy, | .01165 | .02064 | .01161 |
| Somerville, | .02866 | .02994 | .02855 |
| Waltham, | .01136 | .00852 | .01132 |
| Woburn, | .00556 | .00416 | .00554 |
| Arlington, | .00503 | .00378 | .00501 |
| Belmont, | .00306 | .00230 | .00305 |
| Braintree, | .00258 | .00194 | .00257 |
| Brookline, | .04988 | .03740 | .04970 |
| Canton, | .00206 | .00154 | .00206 |
| Cohasset, | — | — | .00366 |
| Dedham, | .00566 | .00424 | .00563 |
| Dover, | .00056 | .00042 | .00056 |
| Hingham, | .00244 | .00184 | .00243 |
| Hull, | .00214 | .00160 | .00213 |
| Hyde Park, | .00605 | .00618 | .00603 |
| Milton, | .01240 | .04158 | .01236 |
| Nahant, | .00368 | .00822 | .00366 |
| Needham, | .00209 | .00156 | .00208 |
| Revere, | .00583 | .05432 | .00580 |
| Saugus, | .00208 | .00156 | .00207 |
| Stoneham, | .00252 | .00188 | .00251 |
| Swampscott, | .00531 | .00398 | .00529 |
| Wakefield, | .00410 | .00308 | .00409 |
| Watertown, | .00630 | .00472 | .00628 |
| Wellesley, | .00585 | .00438 | .00583 |
| Weston, | .00341 | .00256 | .00340 |
| Westwood, | .00109 | .00082 | .00109 |
| Weymouth, | .00347 | .00260 | .00346 |
| Winchester, | .00532 | .02394 | .00530 |
| Winthrop, | .00426 | .00320 | .00424 |
| | 1.00000 | 1.00000 | 1.00000 |

METROPOLITAN PARKS LOANS.

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1909. | Amount of Dec. 1, 1909, Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Requirements for 1910. |
|------------------|------------|-------------------------------|---|-----------------------------------|---|
| \$1,300,000 | Jan., 1934 | \$333,120 38 | \$680,724 25 | \$619,275 75 | \$17,937 71 |
| 2,000,000 | Jan., 1936 | 468,639 41 | 1,016,419 51 | 983,580 49 | 25,433 66 |
| 1,400,000 | Jan., 1937 | 313,995 12 | 701,599 34 | 698,400 66 | 17,100 37 |
| 1,000,000 | July, 1938 | 213,822 85 | 500,826 02 | 499,173 98 | 11,388 99 |
| 505,000 | July, 1939 | 101,893 46 | 245,873 18 | 259,126 82 | 5,612 24 |
| 650,000 | Jan., 1941 | 152,597 46 | 384,097 88 | 173,243 41 | 3,451 59 |
| 125,000 | Jan., 1943 | 15,008 33 | 40,095 08 | 84,904 92 | 1,535 28 |
| 340,000 | July, 1943 | 38,945 33 | 105,864 06 | 218,135 94 | 3,876 57 |
| 300,000 | Jan., 1944 | 28,703 70 | 79,000 30 | 220,999 70 | 3,812 04 |
| 370,000 | Jan., 1945 | 26,621 45 | 75,483 95 | 294,516 05 | 4,849 89 |
| 300,000 | Jan., 1946 | 22,268 08 | 65,048 57 | 234,951 43 | 3,696 43 |
| 300,000 | Jan., 1947 | 14,007 44 | 42,154 68 | 257,845 32 | 3,878 37 |
| 125,000 | Jan., 1928 | 6,682 21 | 11,420 82 | 113,579 18 | 4,840 98 |
| 70,000 | Jan., 1949 | 1,760 85 | 5,624 36 | 64,375 64 | 886 81 |
| \$8,785,000 | — | \$1,738,066 07 | \$3,954,232 00 | \$4,722,109 29 | \$108,300 93 |

Nantasket.

| | | | | | |
|-----------|------------|--------------|--------------|--------------|------------|
| \$600,000 | July, 1939 | \$122,941 89 | \$296,663 92 | \$303,336 08 | \$6,569 73 |
| 100,000 | Jan., 1941 | 15,143 41 | 38,116 96 | 61,883 04 | 1,132 92 |
| \$700,000 | — | \$138,085 30 | \$334,780 88 | \$365,219 12 | \$7,702 65 |

METROPOLITAN PARKS LOANS, SERIES TWO.

Sinking Fund.

| DATE. | Amount. | Present Condition of Sinking Fund. | Amount of Sinking Fund at Maturity of Loan. | Balance to be sunk. | Require- ments in 1910. |
|-------------|----------------|---|--|------------------------|-------------------------------|
| Jan., 1934, | \$250,000 00 | \$67,321 37 | \$137,913 67 | \$112,086 33 | \$3,191 00 |
| Jan., 1936, | 300,000 00 | 73,908 63 | 160,699 20 | 139,300 80 | 3,541 00 |
| Jan., 1937, | 500,000 00 | 117,926 56 | 264,157 09 | 235,842 91 | 5,676 00 |
| July, 1938, | 50,000 00 | 11,238 16 | 26,322 55 | 23,677 45 | 521 00 |
| July, 1939, | 250,000 00 | 53,859 13 | 129,964 33 | 120,035 67 | 2,508 00 |
| July, 1940, | 162,500 00 | 30,158 75 | 74,973 93 | 87,526 07 | 1,740 00 |
| Jan., 1940, | 225,000 00 | 31,718 60 | 77,689 24 | 147,310 76 | 3,033 00 |
| Jan., 1943, | 55,000 00 | 6,812 66 | 18,245 67 | 36,754 33 | 654 00 |
| July, 1943, | 150,000 00 | 15,100 13 | 41,046 28 | 108,953 72 | 1,875 00 |
| Jan., 1944, | 150,000 00 | 14,619 71 | 40,337 96 | 109,662 04 | 1,860 00 |
| Jan., 1945, | 150,000 00 | 10,758 09 | 30,580 35 | 119,419 65 | 1,933 00 |
| Jan., 1946, | 150,000 00 | 6,296 68 | 18,439 58 | 131,560 42 | 2,035 00 |
| Jan., 1947, | 150,000 00 | 6,883 24 | 20,766 55 | 129,233 45 | 1,911 00 |
| Jan., 1949, | 25,000 00 | 299 00 | 957 42 | 24,042 58 | 326 00 |
| | \$2,567,500 00 | \$446,900 71 | \$1,042,093 82 | \$1,525,406 18 | \$30,804 00 |

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

| CITIES AND TOWNS. | Parks. | Boulevards. | Nantasket. | Total. |
|---------------------|--------------|-------------|------------|--------------|
| Boston, | \$67,403 25 | \$14,390 40 | \$4,776 34 | \$86,569 99 |
| Cambridge, | 5,853 67 | 1,404 05 | 414 87 | 7,672 59 |
| Chelsea, | 1,302 86 | 764 56 | 92 28 | 2,159 70 |
| Everett, | 1,123 08 | 1,227 85 | 79 57 | 2,430 50 |
| Lynn, | 2,959 87 | 667 21 | 209 74 | 3,836 82 |
| Malden, | 1,746 89 | 904 41 | 123 78 | 2,775 08 |
| Medford, | 1,170 73 | 1,749 05 | 82 96 | 3,002 74 |
| Melrose, | 836 08 | 178 05 | 59 23 | 1,073 35 |
| Newton, | 3,767 79 | 803 98 | 267 05 | 4,838 82 |
| Quincy, | 1,261 71 | 635 79 | 89 43 | 1,986 93 |
| Somerville, | 3,103 91 | 922 27 | 219 91 | 4,246 09 |
| Waltham, | 1,230 30 | 262 45 | 87 19 | 1,579 94 |
| Woburn, | 602 15 | 128 14 | 42 67 | 772 96 |
| Arlington, | 544 75 | 116 44 | 38 59 | 699 78 |
| Belmont, | 331 40 | 70 85 | 23 49 | 425 74 |
| Braintree, | 279 42 | 59 76 | 19 80 | 358 98 |
| Brookline, | 5,402 05 | 1,152 07 | 382 82 | 6,936 94 |
| Canton, | 223 10 | 47 44 | 15 87 | 286 41 |
| Cohasset, | — | — | 28 19 | 28 19 |
| Dedham, | 612 98 | 130 61 | 43 37 | 786 96 |
| Dover, | 60 65 | 12 94 | 4 31 | 77 90 |
| Hingham, | 264 25 | 56 68 | 18 72 | 339 65 |
| Hull, | 231 76 | 49 29 | 16 41 | 297 46 |
| Hyde Park, | 655 22 | 190 37 | 46 45 | 892 04 |
| Milton, | 1,342 93 | 1,280 83 | 95 20 | 2,718 96 |
| Nahant, | 398 55 | 253 21 | 28 19 | 679 95 |
| Needham, | 226 35 | 48 05 | 16 02 | 290 42 |
| Revere, | 631 39 | 1,673 27 | 44 68 | 2,349 34 |
| Saugus, | 225 27 | 48 05 | 15 94 | 289 26 |
| Stoneham, | 272 92 | 57 91 | 19 33 | 350 16 |
| Swampscott, | 575 08 | 122 60 | 40 75 | 738 43 |
| Wakefield, | 444 03 | 94 88 | 31 50 | 570 41 |
| Watertown, | 682 30 | 145 39 | 48 37 | 876 06 |
| Wellesley, | 633 56 | 134 92 | 44 91 | 813 39 |
| Weston, | 369 31 | 78 86 | 26 19 | 474 36 |
| Westwood, | 118 05 | 25 26 | 8 40 | 151 71 |
| Weymouth, | 375 80 | 80 09 | 26 65 | 482 54 |
| Winchester, | 576 16 | 737 45 | 40 82 | 1,354 43 |
| Winthrop, | 461 36 | 98 57 | 32 66 | 592 59 |
| | \$108,300 93 | \$30,804 00 | \$7,702 65 | \$146,807 58 |

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

| CITIES AND TOWNS. | Parks. | Boulevards. | Nantasket. | Total. |
|---------------------|--------------|-------------|-------------|--------------|
| Boston, | \$191,182 28 | \$40,895 93 | \$13,021 89 | \$245,100 10 |
| Cambridge, | 16,603 31 | 3,990 15 | 1,131 06 | 21,724 52 |
| Chelsea, | 3,695 43 | 2,172 78 | 251 58 | 6,119 79 |
| Everett, | 3,185 50 | 3,489 41 | 216 93 | 6,891 84 |
| Lynn, | 8,395 35 | 1,896 15 | 571 83 | 10,863 33 |
| Malden, | 4,954 88 | 2,570 22 | 337 47 | 7,862 57 |
| Medford, | 3,320 66 | 4,970 61 | 226 17 | 8,517 44 |
| Melrose, | 2,371 46 | 505 99 | 161 49 | 3,038 94 |
| Newton, | 10,686 94 | 2,284 84 | 728 07 | 13,699 85 |
| Quincy, | 3,578 70 | 1,806 86 | 243 81 | 5,629 37 |
| Somerville, | 8,803 90 | 2,620 99 | 599 55 | 12,024 44 |
| Waltham, | 3,489 61 | 745 85 | 237 72 | 4,473 18 |
| Woburn, | 1,707 94 | 364 17 | 116 34 | 2,188 45 |
| Arlington, | 1,545 14 | 330 91 | 105 21 | 1,981 26 |
| Belmont, | 939 98 | 201 34 | 64 05 | 1,205 37 |
| Braintree, | 792 54 | 169 83 | 53 97 | 1,016 34 |
| Brookline, | 15,322 35 | 3,274 06 | 1,043 70 | 19,640 11 |
| Canton, | 632 80 | 134 81 | 43 26 | 810 87 |
| Cohasset, | — | — | 76 86 | 76 86 |
| Dedham, | 1,738 66 | 371 18 | 118 23 | 2,228 07 |
| Dover, | 172 02 | 36 77 | 11 76 | 220 55 |
| Hingham, | 749 53 | 161 08 | 51 03 | 961 64 |
| Hull, | 657 37 | 140 07 | 44 73 | 842 17 |
| Hyde Park, | 1,858 47 | 541 01 | 126 63 | 2,526 11 |
| Milton, | 3,809 09 | 3,639 98 | 259 56 | 7,708 63 |
| Nahant, | 1,130 44 | 719 59 | 76 86 | 1,926 89 |
| Needham, | 642 02 | 136 56 | 43 68 | 822 26 |
| Revere, | 1,790 88 | 4,755 26 | 121 80 | 6,667 94 |
| Saugus, | 638 94 | 136 56 | 43 47 | 818 97 |
| Stoneham, | 774 10 | 164 58 | 52 71 | 991 39 |
| Swampscott, | 1,631 15 | 348 42 | 111 09 | 2,090 66 |
| Wakefield, | 1,259 46 | 269 63 | 85 89 | 1,614 98 |
| Watertown, | 1,935 26 | 413 20 | 131 88 | 2,480 34 |
| Wellesley, | 1,797 03 | 383 43 | 122 43 | 2,302 89 |
| Weston, | 1,047 50 | 224 11 | 71 40 | 1,343 01 |
| Westwood, | 334 83 | 71 78 | 22 89 | 429 50 |
| Weymouth, | 1,065 93 | 227 61 | 72 66 | 1,366 20 |
| Winchester, | 1,634 22 | 2,095 75 | 111 30 | 3,841 27 |
| Winthrop, | 1,308 61 | 280 13 | 89 04 | 1,677 78 |
| | \$307,184 28 | \$87,541 60 | \$21,000 00 | \$415,725 88 |

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Maintenance Requirements.

| CITIES AND TOWNS. | Parks. | Boulevards. | Nantasket. | Total. |
|---------------------|---------------------------|-------------|-------------|--------------|
| Boston, | \$291,694 77 | \$45,058 36 | \$16,670 15 | \$353,423 28 |
| Cambridge, | 25,332 36 | 4,396 27 | 1,447 94 | 31,176 57 |
| Chelsea, | 5,638 27 | 2,393 93 | 322 06 | 8,354 26 |
| Everett, | 4,860 25 | 3,844 56 | 277 71 | 8,982 52 |
| Lynn, | 12,809 13 | 2,089 14 | 732 04 | 15,630 31 |
| Malden, | 7,559 87 | 2,831 82 | 432 02 | 10,823 71 |
| Medford, | 5,066 47 | 5,476 53 | 289 54 | 10,832 54 |
| Melrose, | 3,618 24 | 557 49 | 206 73 | 4,382 46 |
| Newton, | 16,305 51 | 2,517 39 | 932 05 | 19,754 95 |
| Quincy, | 5,460 17 | 1,990 76 | 312 12 | 7,763 05 |
| Somerville, | 13,432 48 | 2,887 76 | 767 52 | 17,087 76 |
| Waltham, | 5,324 25 | 821 77 | 304 32 | 6,450 34 |
| Woburn, | 2,605 88 | 401 24 | 148 94 | 3,156 06 |
| Arlington, | 2,357 48 | 364 59 | 134 69 | 2,856 76 |
| Belmont, | 1,434 18 | 221 84 | 81 99 | 1,738 01 |
| Braintree, | 1,209 20 | 187 12 | 69 09 | 1,465 41 |
| Brookline, | 23,377 95 | 3,607 29 | 1,336 11 | 28,321 35 |
| Canton, | 965 49 | 148 54 | 55 38 | 1,169 41 |
| Cohasset, | — | — | 98 39 | 98 39 |
| Dedham, | 2,652 75 | 408 96 | 151 35 | 3,213 06 |
| Dover, | 262 46 | 40 51 | 15 05 | 318 02 |
| Hingham, | 1,143 59 | 177 47 | 65 33 | 1,386 39 |
| Hull, | 1,002 98 | 154 32 | 57 26 | 1,214 56 |
| Hyde Park, | 2,835 54 | 596 07 | 162 11 | 3,593 72 |
| Milton, | 5,811 68 | 4,010 46 | 332 28 | 10,154 42 |
| Nahant, | 1,724 76 | 792 83 | 98 39 | 2,615 98 |
| Needham, | 979 55 | 150 46 | 55 92 | 1,185 93 |
| Revere, | 2,732 43 | 5,239 25 | 155 92 | 8,127 60 |
| Saugus, | 974 86 | 150 46 | 55 65 | 1,180 97 |
| Stoneham, | 1,181 08 | 181 33 | 67 48 | 1,429 89 |
| Swampscott, | 2,488 71 | 383 88 | 142 21 | 3,014 80 |
| Wakefield, | 1,921 60 | 297 07 | 109 95 | 2,328 62 |
| Watertown, | 2,952 71 | 455 25 | 168 83 | 3,576 79 |
| Wellesley, | 2,741 80 | 422 46 | 156 73 | 3,320 99 |
| Weston, | 1,598 21 | 246 92 | 91 40 | 1,936 53 |
| Westwood, | 510 87 | 79 09 | 29 30 | 619 26 |
| Weymouth, | 1,626 33 | 250 77 | 93 02 | 1,970 12 |
| Winchester, | 2,493 40 | 2,309 05 | 142 48 | 4,944 93 |
| Winthrop, | 1,996 59 | 308 65 | 113 99 | 2,419 23 |
| | \$468,683 85 ¹ | \$96,451 66 | \$26,883 44 | \$592,018 95 |

¹ Includes \$3,505.16, the district's proportion of Wellington bridge maintenance, see page 10.

Wellington Bridge, Special Assessment (Chapter 491, Acts of 1901).

[One-fifth of one-half of the cost of the bridge due each year for five years.]

First Assessment, 1906.

| | Per Cent. | Assessment. | Interest. | Main-tenance. | Total Assessment. |
|----------------------------|-----------|-------------|-----------|---------------|-------------------|
| Malden, ¹ . . . | 14 | — | — | \$981 44 | \$981 44 |
| Medford, . . . | 19 | \$7,042 06 | \$246 47 | 1,331 96 | 8,620 49 |
| Reading, . . . | 1 | 370 63 | 12 97 | 70 10 | 453 70 |
| Somerville, . . . | 12½ | 4,632 94 | 162 15 | 876 29 | 5,671 38 |
| Stoneham, . . . | 3½ | 1,297 22 | 45 40 | 245 36 | 1,587 98 |
| | | \$13,342 85 | \$466 99 | \$3,505 15 | \$17,314 99 |

¹ Paid the whole original assessment in 1906.

Newton and Wellesley Bridge (Chapter 391, Acts of 1903).

| | Assessment. | Interest. | Total. |
|------------------------------------|-------------|-----------|------------|
| Newton, | \$1,200 00 | \$84 00 | \$1,284 00 |
| Wellesley, | 600 00 | 42 00 | 642 00 |
| Middlesex County, | 500 00 | 35 00 | 535 00 |
| Norfolk County, | 500 00 | 35 00 | 535 00 |
| Boston & Worcester Street Railway, | 400 00 | 28 00 | 428 00 |
| | \$3,200 00 | \$224 00 | \$3,424 00 |

CHARLES RIVER BASIN.

Chapter 465, Acts of 1903, authorized the building of a dam across Charles River by a special commission, and the payment therefor by a special loan by the Commonwealth, to be apportioned, assessed and repaid in the manner provided for the park loan.

| DATE OF SALE. | Bonds issued. | Rate of Interest (Per Cent.). | Price Received. | Due Date. |
|----------------------|---------------|-------------------------------|-----------------|--------------|
| Jan. 15, 1904, . . . | \$250,000 | 3½ | 104.600 | Jan. 1, 1944 |
| Mar. 24, 1905, . . . | 80,000 | 3½ | 106.175 | Jan. 1, 1945 |
| Mar. 24, 1905, . . . | 320,000 | 3½ | 105.553 | Jan. 1, 1945 |
| June 28, 1906, . . . | 600,000 | 3½ | 103.090 | Jan. 1, 1946 |
| April 3, 1907, . . . | 1,150,000 | 3½ | 101.850 | Jan. 1, 1947 |
| April 7, 1908, . . . | 400,000 | 3½ | 101.400 | Jan. 1, 1948 |
| Mar. 17, 1909, . . . | 425,000 | 3 | 101.196 | Jan. 1, 1949 |
| Mar. 17, 1909, . . . | 425,000 | 3½ | 101.196 | Jan. 1, 1949 |
| Feb. 10, 1910, . . . | 475,000 | 3½ | 100.390 | Jan. 1, 1950 |

STATEMENT III.
METROPOLITAN SEWERAGE DISTRICT.
Debt, North System.

| | |
|---|----------------|
| The gross metropolitan sewerage, north system, debt, April 1, 1910, was | \$6,563,000 00 |
| an increase for the year of \$113,000. | |
| The sinking fund established for payment of same, April 1, 1910, amounted to | 1,097,583 39 |
| an increase for the year of \$104,220.61. | |
| The net metropolitan sewerage, north system, debt, April 1, 1910, was | \$5,465,416 61 |
| an increase for the year of \$8,779.39. | |

Assessments, North System.

| | |
|---|--------------------|
| Sinking fund, | \$108,827 97 |
| One year's interest on \$6,450,000, | \$198,500 00 |
| Six months' interest on \$113,000, | 1,977 50 |
| | <hr/> \$200,477 50 |
| Less accrued interest, \$1,842 05 | |
| Interest on deposit, 5 18 | |
| Interest overcollected in 1909, 6,400 20 | |
| | <hr/> 8,247 43 |
| | 192,230 07 |
| Maintenance, | \$149,000 00 |
| Less balance on hand, | 7,681 63 |
| | <hr/> 141,318 37 |
| Total north metropolitan sewerage assessment, | <hr/> \$442,376 41 |

STATEMENT IV.
METROPOLITAN SEWERAGE DISTRICT.
Debt, South System.

| | |
|--|----------------|
| The gross metropolitan sewerage, south system, debt, April 1, 1910, was | \$8,877,912 00 |
| showing no increase for the past year. | |
| The sinking funds established for payment of same, April 1, 1910, amounted to | 597,418 77 |
| an increase for the year of \$80,064.72. | |
| The net metropolitan sewerage, south system, debt, April 1, 1910, was | \$8,280,493 23 |
| a decrease for the year of \$80,064.72. | |

Assessments, South System.

| | |
|---|--------------------|
| Sinking fund, | \$66,097 39 |
| One year's interest on \$8,877,912, | \$298,777 36 |
| Interest on advances, estimated, 1910, | 4,000 00 |
| | <hr/> \$302,777 36 |
| Overcollected in 1909, \$5,216 53 | |
| Interest on deposits, 7 60 | |
| | <hr/> 5,224 13 |
| | 297,553 23 |
| Maintenance, | \$103,200 00 |
| Less balance on hand, | 9,778 87 |
| | <hr/> 93,421 13 |
| Total south metropolitan sewerage assessment, | <hr/> \$457,071 75 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, REQUIREMENTS.

| CITIES AND TOWNS. | Sinking Fund. | Maintenance. | Interest. | Total. |
|---------------------|---------------|--------------|--------------|--------------|
| Arlington, | \$2,688 05 | \$2,882 89 | \$4,748 08 | \$10,319 02 |
| Belmont, | 1,534 47 | 1,300 13 | 2,710 44 | 5,545 04 |
| Boston, | 17,009 81 | 27,274 45 | 30,045 56 | 74,329 82 |
| Cambridge, | 25,520 16 | 29,097 45 | 45,077 95 | 99,695 56 |
| Chelsea, | 5,702 59 | 11,135 89 | 10,072 86 | 26,911 34 |
| Everett, | 6,116 13 | 8,691 08 | 10,803 33 | 25,610 54 |
| Lexington, | 1,066 51 | 1,116 42 | 1,883 86 | 4,066 79 |
| Malden, | 10,066 59 | 11,362 00 | 17,781 28 | 39,209 87 |
| Medford, | 5,430 52 | 5,878 84 | 9,592 28 | 20,901 64 |
| Melrose, | 3,819 86 | 4,267 81 | 6,747 28 | 14,834 95 |
| Revere, | 3,504 26 | 3,787 33 | 6,189 81 | 13,481 40 |
| Somerville, | 14,626 48 | 20,689 01 | 25,835 72 | 61,151 21 |
| Stoneham, | 1,153 58 | 1,893 67 | 2,037 64 | 5,084 89 |
| Wakefield, | 2,165 68 | 3,066 61 | 3,825 38 | 9,057 67 |
| Winchester, | 3,090 71 | 2,458 94 | 5,459 33 | 11,008 98 |
| Winthrop, | 2,731 58 | 2,105 64 | 4,824 97 | 9,662 19 |
| Woburn, | 2,600 99 | 4,310 21 | 4,594 30 | 11,505 50 |
| | \$108,827 97 | \$141,318 37 | \$192,230 07 | \$442,376 41 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1909. | Amount of Sinking Fund at Maturity of Loan, Accumulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Requirements for 1910. |
|--|------------------|----------------------------|--|----------------|--|-------------------------------------|
| \$5,330,000 (1,554,583) | Jan., 1930 Sunk. | \$991,269 79 | \$1,798,181 61 | \$5,086,401 39 | \$169,546 71 $\frac{1}{80}$ | \$96,829 68 |
| 465,000 (118,124) | Jan., 1930 Sunk. | 71,615 39 | 129,911 63 | 453,212 37 | 15,107 07 $\frac{1}{80}$ | 8,579 67 |
| 250,000 (21,875) | July, 1943 Sunk. | 8,788 56 | 23,831 01 | 248,043 99 | 3,100 55 $\frac{1}{80}$ | 1,178 00 |
| 50,000 (4,375) | Jan., 1943 Sunk. | 1,768 76 | 4,725 28 | 49,649 72 | 620 62 $\frac{1}{80}$ | 239 34 |
| 55,000 (3,437) | July, 1943 Sunk. | 3,111 61 | 8,437 42 | 49,999 58 | 1,041 65 $\frac{1}{48}$ | 395 76 |
| 300,000 (3,750) | Jan., 1949 Sunk. | 4,762 03 | 15,210 49 | 288,539 51 | 3,606 74 $\frac{1}{80}$ | 1,163 31 |
| 113,000 | Jan., 1950 | - | - | - | 1,412 50 $\frac{1}{80}$ | 442 21 |
| \$6,563,000 (1,706,144) | - Sunk. | \$1,081,316 14 | \$1,980,297 44 | \$6,175,846 56 | \$194,435 84 | \$108,827 97 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

| BONDS ISSUED. | Due Date. | Amount provided for. | Amount to be provided for. | 1910. |
|---------------|-----------|-----------------------------|-----------------------------|----------------|
| \$5,330,000 | 1930 | $\frac{1}{8} + \frac{1}{6}$ | $\frac{1}{3} + \frac{3}{8}$ | $\frac{1}{30}$ |
| 265,000 | 1930 | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{30}$ |
| 200,000 | 1930 | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{30}$ |
| 300,000 | 1943 | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{30}$ |
| 55,000 | 1943 | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{30}$ |
| 300,000 | 1949 | $\frac{2}{10}$ | $\frac{2}{10}$ | $\frac{3}{30}$ |
| 113,000 | 1950 | - | $\frac{2}{10}$ | $\frac{3}{30}$ |

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1910 and the Census Returns of 1905. Assessment made by the Metropolitan Water and Sewerage Board.

| CITY OR TOWN. | State Valuation, Acts 1910, Chapter 357. | Proportion for Interest and Sinking Funds (Per Cent.). | Population, State Census 1905. | Proportion for Maintenance and Operation (Per Cent.). |
|----------------------|--|--|--------------------------------------|--|
| Arlington, | \$12,040,688 | 2.47 | 9,668 | 2.04 |
| Belmont, | 6,854,544 | 1.41 | 4,360 | .92 |
| Boston, | 76,051,300 | 15.63 | 91,317 | 19.30 |
| Charlestown, | | | | |
| East Boston, | | | | |
| Cambridge, | 114,094,902 | 23.45 | 97,434 | 20.59 |
| Chelsea, | 25,493,242 | 5.24 | 37,289 | 7.88 |
| Everett, | 27,342,393 | 5.62 | 29,111 | 6.15 |
| Lexington, | 4,795,170 ¹ | 0.98 | 3,750 ² | .79 |
| Malden, | 45,004,522 | 9.25 | 38,037 | 8.04 |
| Medford, | 24,264,078 | 4.99 | 19,686 | 4.16 |
| Melrose, | 17,063,560 | 3.51 | 14,295 | 3.02 |
| Revere, | 15,660,186 | 3.22 | 12,659 | 2.68 |
| Somerville, | 65,411,419 | 13.44 | 69,272 | 14.64 |
| Stoneham, | 5,182,026 | 1.06 | 6,332 | 1.34 |
| Wakefield, | 9,671,533 | 1.99 | 10,268 | 2.17 |
| Winchester, | 13,826,399 | 2.84 | 8,242 | 1.74 |
| Winthrop, | 12,219,155 | 2.51 | 7,034 | 1.49 |
| Woburn, | 11,638,886 | 2.39 | 14,402 | 3.05 |
| | \$486,614,003 | 100.00 | 473,156 | 100.00 |

¹ 55.49 per cent. of the town valuation, derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the assessors.

METROPOLITAN SEWERAGE LOAN.

South System.

| CITIES AND TOWNS. | Sinking Funds. | Maintenance. | Interest. | Total Assessment. |
|--------------------|----------------|--------------|--------------|-------------------|
| Boston, | \$27,298 22 | \$45,141 09 | \$122,889 48 | \$195,328 79 |
| Brookline, | 13,814 35 | 7,286 85 | 62,188 63 | 83,289 83 |
| Dedham, | 1,599 56 | 2,419 61 | 7,200 79 | 11,219 96 |
| Hyde Park, | 1,751 58 | 4,512 24 | 7,885 16 | 14,148 98 |
| Milton, | 3,503 16 | 2,195 40 | 15,770 32 | 21,468 88 |
| Newton, | 9,425 49 | 11,453 43 | 42,431 09 | 63,310 01 |
| Quincy, | 3,569 26 | 8,734 87 | 16,067 88 | 28,372 01 |
| Waltham, | 3,331 31 | 8,174 35 | 14,996 68 | 26,502 34 |
| Watertown, | 1,804 46 | 3,503 29 | 8,123 20 | 13,430 95 |
| | \$66,097 39 | \$93,421 13 | \$297,553 23 | \$457,071 75 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1909. | Amount of Dec. 1, 1909, Sinking Fund at Maturity of Loan, Accumulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Requirements for 1910. |
|--|----------------------|----------------------------|--|-----------------------------|--|-------------------------------------|
| \$800,000 (233,333) | Jan., 1930, Sunk. | \$146,554 90 | \$265,853 28 | \$767,479 72 $\frac{1}{30}$ | \$25,582 66 $\frac{1}{30}$ | \$14,529 02 |
| 839,000 (174,791) | Mar., 1935, Sunk. | 92,964 92 | 197,181 54 | 816,609 46 $\frac{1}{60}$ | 13,610 15 $\frac{1}{60}$ | 6,610 71 |
| 65,000 (12,458) | Mar., 1936, Sunk. | 6,360 51 | 13,898 60 | 63,559 40 $\frac{1}{60}$ | 1,059 32 $\frac{1}{60}$ | 499 44 |
| 1,024,912 (145,195) | July, 1939, Sunk. | 67,290 24 | 162,374 16 | 1,007,732 84 $\frac{1}{60}$ | 16,795 54 $\frac{1}{60}$ | 7,188 36 |
| 2,000,000 (250,000) | July, 1940, Sunk. | 110,622 30 | 275,004 39 | 1,974,995 61 $\frac{1}{60}$ | 32,916 59 $\frac{1}{60}$ | 13,641 12 |
| 1,586,000 (198,249) | July, 1940, Sunk. | 86,651 12 | 215,412 61 | 1,568,836 39 $\frac{1}{60}$ | 26,147 27 $\frac{1}{60}$ | 10,835 82 |
| 996,000 (87,150) | Jan., 1943, Sunk. | 35,048 48 | 93,632 79 | 989,517 21 $\frac{1}{80}$ | 12,368 96 $\frac{1}{80}$ | 4,769 87 |
| 392,000 (27,221) | July, 1944, Sunk. | 10,088 43 | 28,251 97 | 390,969 03 $\frac{1}{72}$ | 5,430 12 $\frac{1}{72}$ | 1,997 64 |
| 175,000 (7,291) | Jan., 1946, Sunk. | 8,413 24 | 24,576 40 | 157,714 60 $\frac{1}{72}$ | 2,190 48 $\frac{1}{72}$ | 772 54 |
| 1,000,000 (31,250) | Jan., 1946, Sunk. | 26,707 69 | 78,017 37 | 953,232 63 $\frac{1}{64}$ | 14,894 26 $\frac{1}{64}$ | 5,252 87 |
| \$8,877,912 (1,166,938) | - Sunk. | \$590,701 83 | \$1,354,203 11 | \$8,690,646 89 | \$150,995 35 | \$66,097 39 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

| DUE DATES. | Bonds issued. | Amount provided for. | Amount to be provided for. | 1910. |
|-----------------|---------------|------------------------------|--|----------------|
| 1930, | \$800,000 | $\frac{1}{8} + \frac{1}{6}$ | $\frac{1}{3} + \frac{3}{8}$ | $\frac{1}{30}$ |
| 1935, | 839,000 | $\frac{1}{8} + \frac{5}{60}$ | $\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1936, | 65,000 | $\frac{1}{8} + \frac{4}{60}$ | $\frac{6}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1939, | 1,024,912 | $\frac{1}{8} + \frac{1}{60}$ | $\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1940, | 2,000,000 | $\frac{1}{8}$ | $\frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1940, | 1,586,000 | $\frac{1}{8}$ | $\frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1943, | 996,000 | $\frac{7}{80}$ | $\frac{3}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 1944, | 392,000 | $\frac{5}{72}$ | $\frac{4}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| 1946, | 175,000 | $\frac{3}{72}$ | $\frac{6}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| 1946, | 1,000,000 | $\frac{2}{64}$ | $\frac{6}{64} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{64}$ |

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1910 and the Census Returns of 1905. Assessment made by the Metropolitan Water and Sewerage Board.

| CITY OR TOWN. | State Valuation, Acts 1910, Chapter 357. | Proportion for Interest and Sinking Funds (Per Cent.). | Population, State Census 1905. | Proportion for Maintenance and Operation (Per Cent.). |
|--------------------------------|--|--|--------------------------------------|--|
| Boston, ¹ | \$234,192,300 | 41.30 | 145,085 | 48.32 |
| Brookline, | 118,513,924 | 20.90 | 23,436 | 7.80 |
| Dedham, | 13,732,094 ² | 2.42 | 7,774 | 2.59 |
| Hyde Park, | 15,041,961 | 2.65 | 14,510 | 4.83 |
| Milton, | 30,027,548 | 5.30 | 7,054 | 2.35 |
| Newton, | 80,837,081 | 14.26 | 36,827 | 12.26 |
| Quincy, | 30,606,390 | 5.40 | 28,076 | 9.35 |
| Waltham, | 28,563,213 | 5.04 | 26,282 | 8.75 |
| Watertown, | 15,479,139 | 2.73 | 11,258 | 3.75 |
| | \$566,993,650 | 100.00 | 300,302 | 100.00 |

¹ Brighton, Back Bay, Roxbury, West Roxbury and Dorchester Districts.² 96.38 per cent. of the town valuation, derived from figures certified by the clerk of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1909 and 1910.

| CITIES AND TOWNS. | PARKS. | | SEWER. | |
|-------------------|----------------|-----------------------------|--------------|--------------|
| | 1909. | 1910. | 1909. | 1910. |
| Boston, . . . | \$649,894 15 | \$685,093 37 | \$258,866 48 | \$269,658 61 |
| Cambridge, . . . | 57,458 52 | 60,573 68 | 92,920 56 | 99,695 56 |
| Chelsea, . . . | 15,769 81 | 16,633 75 | 26,387 53 | 26,911 34 |
| Everett, . . . | 17,345 47 | 18,304 86 | 22,211 69 | 25,610 54 |
| Lynn, . . . | 28,771 46 | 30,330 46 | — | — |
| Malden, . . . | 21,291 49 | 22,442 80 | 32,524 60 | 39,209 87 |
| Medford, . . . | 29,895 94 | 30,973 21 | 18,968 48 | 20,901 64 |
| Melrose, . . . | 8,058 34 | 8,494 76 | 13,567 95 | 14,834 95 |
| Newton, . . . | 37,628 03 | 39,577 62 | 67,237 54 | 63,310 01 |
| Quincy, . . . | 14,582 17 | 15,379 35 | 27,329 62 | 28,372 01 |
| Somerville, . . . | 37,376 52 | 39,029 67 | 56,184 31 | 61,151 21 |
| Waltham, . . . | 11,861 08 | 12,503 46 | 26,741 33 | 26,502 34 |
| Woburn, . . . | 5,803 19 | 6,117 47 | 10,556 11 | 11,505 50 |
| Arlington, . . . | 5,253 27 | 5,537 80 | 9,169 53 | 10,319 02 |
| Belmont, . . . | 3,196 03 | 3,369 12 | 4,927 67 | 5,545 04 |
| Braintree, . . . | 2,694 76 | 2,840 73 | — | — |
| Brookline, . . . | 52,077 83 | 54,898 40 | 85,583 96 | 83,289 83 |
| Canton, . . . | 2,150 24 | 2,266 69 | — | — |
| Cohasset, . . . | 196 30 | 203 44 | — | — |
| Dedham, . . . | 5,908 08 | 6,228 09 | 11,208 87 | 11,219 96 |
| Dover, . . . | 584 80 | 616 47 | — | — |
| Hingham, . . . | 2,549 58 | 2,687 68 | — | — |
| Hull, . . . | 2,233 25 | 2,354 19 | — | — |
| Hyde Park, . . . | 6,650 62 | 7,011 87 | 14,539 42 | 14,148 98 |
| Lexington, . . . | — | — | 3,378 52 | 4,066 79 |
| Milton, . . . | 19,505 54 | 20,582 01 | 21,888 20 | 21,468 88 |
| Nahant, . . . | 4,951 24 | 5,222 82 | — | — |
| Needham, . . . | 2,180 52 | 2,298 61 | — | — |
| Reading, . . . | 458 97 | 453 70 | — | — |
| Revere, . . . | 16,234 58 | 17,144 88 | 11,252 34 | 13,481 40 |
| Saugus, . . . | 2,171 59 | 2,289 20 | — | — |
| Stoneham, . . . | 4,235 44 | 4,359 42 | 4,766 06 | 5,084 89 |
| Swampscott, . . . | 5,543 63 | 5,843 89 | — | — |
| Wakefield, . . . | 4,282 09 | 4,514 01 | 8,125 52 | 9,057 67 |
| Watertown, . . . | 6,576 98 | 6,933 19 | 13,537 62 | 13,430 95 |
| Wellesley, . . . | 6,757 49 | 7,079 27 | — | — |
| Weston, . . . | 3,561 01 | 3,753 90 | — | — |
| Westwood, . . . | 1,138 80 | 1,200 47 | — | — |
| Weymouth, . . . | 3,622 66 | 3,818 86 | — | — |
| Winchester, . . . | 9,607 86 | 10,140 63 | 9,453 68 | 11,008 98 |
| Winthrop, . . . | 4,448 64 | 4,689 60 | 7,704 96 | 9,662 19 |
| | \$1,114,507 97 | \$1,173,793 40 ¹ | \$859,032 55 | \$899,448 16 |

¹ Includes \$19,240.99 special assessment for Wellington and Wellesley bridges.

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 3 per cent. per annum, compounded semi-annually, amounts to the following in from 1 to 50 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 49.19242586.

| | | | |
|----------------------------|---------------|----------------------------|---------------|
| \$1 for 1 year | = 1.03022500 | \$1 each year for 19 years | = 25.93195699 |
| \$1 in 2 years | = 1.06136355 | \$1 in 20 years | = 1.81401838 |
| \$1 each year for 2 years | = 2.09158855 | \$1 each year for 20 years | = 27.74597537 |
| \$1 in 3 years | = 1.09344326 | \$1 in 21 years | = 1.86884708 |
| \$1 each year for 3 years | = 3.18503181 | \$1 each year for 21 years | = 29.61482245 |
| \$1 in 4 years | = 1.12649258 | \$1 in 22 years | = 1.92533299 |
| \$1 each year for 4 years | = 4.31152439 | \$1 each year for 22 years | = 31.54015544 |
| \$1 in 5 years | = 1.16054082 | \$1 in 23 years | = 1.98352617 |
| \$1 each year for 5 years | = 5.47206521 | \$1 each year for 23 years | = 33.52368161 |
| \$1 in 6 years | = 1.19561816 | \$1 in 24 years | = 2.04347825 |
| \$1 each year for 6 years | = 6.66768337 | \$1 each year for 24 years | = 35.56715986 |
| \$1 in 7 years | = 1.23175572 | \$1 in 25 years | = 2.10524238 |
| \$1 each year for 7 years | = 7.89943909 | \$1 each year for 25 years | = 37.67240224 |
| \$1 in 8 years | = 1.26898553 | \$1 in 26 years | = 2.16887333 |
| \$1 each year for 8 years | = 9.16842462 | \$1 each year for 26 years | = 39.84127557 |
| \$1 in 9 years | = 1.30734062 | \$1 in 27 years | = 2.23442753 |
| \$1 each year for 9 years | = 10.47576524 | \$1 each year for 27 years | = 42.07570310 |
| \$1 in 10 years | = 1.34685499 | \$1 in 28 years | = 2.30196310 |
| \$1 each year for 10 years | = 11.82262023 | \$1 each year for 28 years | = 44.37766620 |
| \$1 in 11 years | = 1.38756368 | \$1 in 29 years | = 2.37153993 |
| \$1 each year for 11 years | = 13.21018391 | \$1 each year for 29 years | = 46.74920613 |
| \$1 in 12 years | = 1.42950279 | \$1 in 30 years | = 2.44321973 |
| \$1 each year for 12 years | = 14.63968670 | \$1 each year for 30 years | = 49.19242586 |
| \$1 in 13 years | = 1.47270952 | \$1 in 31 years | = 2.51706605 |
| \$1 each year for 13 years | = 16.11239622 | \$1 each year for 31 years | = 51.70949191 |
| \$1 in 14 years | = 1.51722216 | \$1 in 32 years | = 2.59314437 |
| \$1 each year for 14 years | = 17.62961838 | \$1 each year for 32 years | = 54.30263628 |
| \$1 in 15 years | = 1.56308020 | \$1 in 33 years | = 2.67152215 |
| \$1 each year for 15 years | = 19.19269858 | \$1 each year for 33 years | = 56.97415843 |
| \$1 in 16 years | = 1.61032430 | \$1 in 34 years | = 2.75226890 |
| \$1 each year for 16 years | = 20.80302288 | \$1 each year for 34 years | = 59.72642733 |
| \$1 in 17 years | = 1.65899635 | \$1 in 35 years | = 2.83545622 |
| \$1 each year for 17 years | = 22.46201923 | \$1 each year for 35 years | = 62.56188355 |
| \$1 in 18 years | = 1.70913951 | \$1 in 36 years | = 2.92115788 |
| \$1 each year for 18 years | = 24.17115874 | \$1 each year for 36 years | = 65.48304143 |
| \$1 in 19 years | = 1.76079825 | \$1 in 37 years | = 3.00944986 |
| \$1 each year for 19 years | = 25.93195699 | \$1 each year for 37 years | = 68.49249129 |

SINKING FUND TABLE — *Concluded.*

| | | | |
|------------------------------|-------------|------------------------------|--------------|
| \$1 each year for 37 years = | 68.49249129 | \$1 each year for 44 years = | 92.26545692 |
| \$1 in 38 years = | 3.10041047 | \$1 in 45 years = | 3.81894828 |
| \$1 each year for 38 years = | 71.59290176 | \$1 each year for 45 years = | 96.08440520 |
| \$1 in 39 years = | 3.19412036 | \$1 in 46 years = | 3.93437598 |
| \$1 each year for 39 years = | 74.78702212 | \$1 each year for 46 years = | 100.01878118 |
| \$1 in 40 years = | 3.29066264 | \$1 in 47 years = | 4.05329248 |
| \$1 each year for 40 years = | 78.07768476 | \$1 each year for 47 years = | 104.07207366 |
| \$1 in 41 years = | 3.39012290 | \$1 in 48 years = | 4.17580323 |
| \$1 each year for 41 years = | 81.46780766 | \$1 each year for 48 years = | 108.24787689 |
| \$1 in 42 years = | 3.49258936 | \$1 in 49 years = | 4.30201689 |
| \$1 each year for 42 years = | 84.96039702 | \$1 each year for 49 years = | 112.54989378 |
| \$1 in 43 years = | 3.59815287 | \$1 in 50 years = | 4.43204535 |
| \$1 each year for 43 years = | 88.55854989 | \$1 each year for 50 years = | 116.98193913 |
| \$1 in 44 years = | 3.70690703 | | |
| \$1 each year for 44 years = | 92.26545692 | | |

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The Commonwealth of Massachusetts.

1911
ASSESSMENTS

FOR
INTEREST, SINKING FUNDS
AND MAINTENANCE
OF THE
METROPOLITAN DISTRICTS.

ISSUED BY THE
TREASURER AND RECEIVER-GENERAL.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1911.

The Commonwealth of Massachusetts.

1911

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FOR

INTEREST, SINKING FUNDS
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ISSUED BY THE

Mass.
TREASURER AND RECEIVER-GENERAL.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1911.

DC

NOV 1 1944

STATE HOUSE, BOSTON.

MASSACHUSETTS
TO
ATTORNEY GENERAL

The Commonwealth of Massachusetts.

TREASURY DEPARTMENT, Sept. 1, 1911.

Computations for the annual assessments for interest, sinking fund, serial bond payments and maintenance for 1911, to be paid by the cities and towns comprising the various metropolitan districts, are printed and sent to the cities and towns in said districts in compliance with chapter 526 of the Acts of the year 1911, herewith submitted: —

CHAPTER 526.

AN ACT TO PROVIDE FOR PUBLISHING IN THE SERIES OF PUBLIC DOCUMENTS CERTAIN STATEMENTS RELATIVE TO THE METROPOLITAN PARKS, SEWERAGE AND WATER DISTRICTS.

Be it enacted, etc., as follows:

SECTION 1. The treasurer and receiver general shall annually, as soon after the prorogation of the general court as is practicable, cause to be published statements showing the assessments for interest, sinking funds and maintenance requirements due from cities and towns in the metropolitan sewerage systems, north and south, metropolitan parks and water districts; a statement showing the several classes of debts incurred for metropolitan district purposes, and the share of the cities and towns in the several districts as measured by the basis used in computing the assessments mentioned in the first statement; and such other statements, if any, as he may deem advisable.

SECTION 2. Two thousand copies of the said statements shall be printed and numbered as one of the public document series. The expense of printing shall be apportioned and paid in equal parts from the maintenance funds of the sewerage systems, north and south, the parks system and water system.

SECTION 3. Chapter five hundred and seventeen of the acts of the year nineteen hundred and ten is hereby repealed.

SECTION 4. This act shall take effect upon its passage. [*Approved June 6, 1911.*]

The apportionment commissioners last appointed under the Acts of the year 1899, chapter 419, not having submitted a report before July 1, 1910, assessments for the year 1910 were

made as of the previous apportionment. Said commissioners having since rendered their report, and the same having been accepted and approved by the Supreme Judicial Court, the 1911 assessments have been apportioned in accordance therewith, and the assessments of 1910 adjusted thereto, as provided by chapter 457 of the Acts of the year 1905, herewith submitted: —

CHAPTER 457.

AN ACT RELATIVE TO ASSESSMENTS UPON CITIES AND TOWNS IN THE
METROPOLITAN WATER, SEWERAGE AND PARK DISTRICTS.

Be it enacted, etc., as follows:

SECTION 1. In case any apportionment for assessment upon the cities and towns of either the metropolitan water, sewerage or park districts shall not have been finally determined by July first of any year, the last apportionment thereof shall remain in force for the purpose of assessment during such current year. Any difference between such apportionment when finally made by the commission, for such year, and the pre-existing apportionment above referred to, shall be adjusted with such city or town by the treasurer and receiver general in the assessment of the succeeding year by a deduction therefrom or an addition thereto, as may be required to give effect to the said apportionment when made as aforesaid.

SECTION 2. This act shall take effect upon its passage. [*Approved May 25, 1905.*]

The commission also, under authority of section 9 of chapter 465 of the Acts of the year 1903, as amended by section 2 of chapter 402 of the Acts of the year 1906, determined and awarded the proportions in which the several cities and towns of the metropolitan parks district shall annually pay money into the treasury of the Commonwealth necessary to meet the sinking fund, interest and maintenance requirements and all other lawful charges with reference to the Charles River dam and basin, and other work connected therewith, for the term beginning Jan. 1, 1910, until the first day of January of the year in which a new award is made, as provided by law, and said assessments have been made in accordance with their determination and award.

In the tables showing the net debts of the metropolitan district, the sinking funds are given as of June 1, 1911.

ELMER A. STEVENS,

Treasurer and Receiver-General.

Total Assessments of the Metropolitan Districts for 1911.

| | Metropolitan Water. | Metropolitan Parks and Boulevards. | Metropolitan Sewer, North and South Systems. | Charles River Basin. | Total. |
|-----------------|------------------------|--|---|-------------------------|----------------|
| Arlington, . . | \$18,249 50 | \$11,030 02 | \$10,948 34 ^N | \$2,879 39 | \$43,107 25 |
| Belmont, . . | 7,439 82 | 6,124 65 | 6,007 21 ^N | 1,638 86 | 21,210 54 |
| Boston, . . | 1,825,362 87 | 601,526 77 | <div> <div>202,379 19^s</div> <div>77,610 33^N</div> </div> | 476,001 28 | 3,182,880 44 |
| Braintree, . . | — | 1,218 19 | — | 1,546 09 | 2,764 28 |
| Brookline, . . | — | 46,748 86 | 84,798 49 ^s | 28,327 37 | 159,874 72 |
| Cambridge, . . | — | 62,400 39 | 103,511 80 ^N | 161,546 14 | 327,458 33 |
| Canton, . . | — | 624 23 | — | 1,103 08 | 1,727 31 |
| Chelsea, . . | 50,649 44 | 12,921 49 | 25,718 84 ^N | 6,089 75 | 95,379 52 |
| Cohasset, . . | — | 195 64 | — | — | 195 64 |
| Dedham, . . | — | 7,099 21 | 11,571 71 ^s | 3,409 05 | 22,079 97 |
| Dover, . . | — | 2,982 96 | — | 1,370 96 | 4,353 92 |
| Everett, . . | 47,962 56 | 15,786 81 | 27,209 17 ^N | 6,531 84 | 97,490 38 |
| Hingham, . . | — | 1,662 11 | — | 1,658 14 | 3,320 25 |
| Hull, . . | — | 1,149 76 | — | 1,340 35 | 2,490 11 |
| Hyde Park, . . | 1,288 44 | 10,560 35 | 14,211 55 ^s | 3,596 41 | 29,656 75 |
| Lexington, . . | 8,238 55 | — | 4,210 15 ^N | — | 12,448 70 |
| Lynn, . . | — | 47,010 57 | — | 17,707 13 | 64,717 70 |
| Malden, . . | 43,828 06 | 29,484 24 | 41,700 23 ^N | 10,757 71 | 125,770 24 |
| Medford, . . | 30,159 23 | 18,024 98 | 22,263 45 ^N | 5,796 45 | 76,244 11 |
| Melrose, . . | 21,200 18 | 11,634 39 | 15,496 52 ^N | 4,076 16 | 52,407 25 |
| Milton, . . | 16,036 02 | 18,171 09 | 21,757 47 ^s | 7,179 66 | 63,144 24 |
| Nahant, . . | 5,308 47 | 7,395 71 | — | 1,932 14 | 14,636 32 |
| Needham, . . | — | 3,636 02 | — | 1,470 77 | 5,106 79 |
| Newton, . . | 6,476 92 | 36,152 80 | 63,876 87 ^s | 19,315 37 | 125,821 96 |
| Quincy, . . | 54,410 43 | 30,237 95 | 29,264 37 ^s | 7,311 00 | 121,223 75 |
| Reading, . . | — | 65 12 | — | — | 65 12 |
| Revere, . . | 26,022 35 | 10,113 34 | 15,308 99 ^N | 3,740 00 | 55,184 68 |
| Saugus, . . | — | 3,946 40 | — | 1,390 25 | 5,336 65 |
| Somerville, . . | 115,094 29 | 39,512 91 | 64,250 86 ^N | 15,631 40 | 234,489 46 |
| Stoneham, . . | 11,255 28 | 3,191 86 | 5,346 50 ^N | 1,234 42 | 21,028 06 |
| Swampscott, . . | 10,651 30 | 4,482 64 | — | 2,692 95 | 17,826 89 |
| Wakefield, . . | — | 5,479 53 | 9,505 15 ^N | 2,312 09 | 17,296 77 |
| Waltham, . . | — | 15,922 90 | 26,560 46 ^s | 6,825 14 | 49,308 50 |
| Watertown, . . | 18,569 01 | 8,058 16 | 13,749 10 ^s | 3,696 22 | 44,072 49 |
| Wellesley, . . | — | 7,656 71 | — | 3,664 69 | 11,321 40 |
| Weston, . . | — | 3,755 71 | — | 2,087 99 | 5,843 70 |
| Westwood, . . | — | 522 44 | — | 654 87 | 1,177 31 |
| Weymouth, . . | — | 1,389 78 | — | 1,988 17 | 3,377 95 |
| Winchester, . . | — | 8,862 83 | 11,566,58 ^N | 3,303 12 | 23,732 53 |
| Winthrop, . . | 14,819 25 | 7,146 30 | 10,773 33 ^N | 2,917 05 | 35,655 93 |
| Woburn, . . | — | 6,212 61 | 11,883 88 ^N | 2,785 71 | 20,882 20 |
| | \$2,333,021 97 | \$1,110,098 43 ¹ | \$931,480 54 | \$827,509 17 | \$5,202,110 11 |

N, North System.

S, South System.

¹ Includes \$12,632.83 special assessments on Wellington and Wellesley bridges, also Alewife Brook.

STATEMENT I.

METROPOLITAN WATER DISTRICT.

Total Water Debt, April 1, 1911.

The gross metropolitan water debt, April 1, 1911, was . . . \$41,598,000 00
 an increase for the year of \$200,000.

The sinking funds established for payment of same April 1, 1911,
 amounted to 8,183,891 46
 an increase for the year of \$863,259.59.

The net metropolitan water debt April 1, 1911, \$33,414,108 54
 a decrease for the year of \$663,259.59.

Total Metropolitan Water Assessments for 1911.

Sinking fund requirements (see page 7), \$515,369 00
 Serial bond, 5,000 00

Interest:—

| | | |
|---------------------------|----------------|----------------|
| One year on \$41,398,000, | \$1,393,435 00 | |
| Six months on \$200,000, | 3,500 00 | |
| Interest on advances | | |
| estimated, 1911, | 25,000 00 | |
| | <hr/> | \$1,421,935 00 |

Less interest on advances over-

| | | |
|-----------------------------|------------|--------------|
| estimated in 1910, . . . | \$5,323 79 | |
| Accrued interest, . . . | 641 66 | |
| Interest on deposits, . . . | 88 29 | |
| | <hr/> | 6,053 74 |
| | | <hr/> |
| | | 1,415,881 26 |

Maintenance as appropriated by Legislature, \$419,800 00

| | | |
|-------------------------------|-----------|------------|
| Less balance on hand, | 23,028 29 | |
| | <hr/> | 396,771 71 |

| | |
|--|----------------|
| Total water assessment for 1911, | \$2,333,021 97 |
|--|----------------|

METROPOLITAN WATER LOAN.

Sinking Fund.

| BONDS ISSUED. | Due Date. | Sinking Fund Dec. 1, 1910. | Amount of 1910 Sinking Fund at Maturity of Loan, Accumu- lations reckoned at 3 Per Cent. | Balance to be sunk. | Sinking Fund Re- quirements in 1911. |
|------------------|------------|-------------------------------|---|------------------------|---|
| \$13,000,000 | July, 1935 | \$3,625,110 30 | \$7,518,951 61 | \$5,481,048 39 | \$156,416 00 |
| 4,000,000 | Jan., 1938 | 920,697 73 | 2,057,232 35 | 1,942,767 65 | 47,569 00 |
| 4,000,000 | July, 1939 | 760,648 37 | 1,777,249 24 | 2,222,750 76 | 50,839 00 |
| 10,000,000 | Jan., 1941 | 1,562,093 62 | 3,816,537 95 | 6,183,462 05 | 129,499 00 |
| 3,500,000 | Jan., 1942 | 509,875 65 | 1,283,390 68 | 2,216,609 32 | 44,163 00 |
| 2,000,000 | Jan., 1943 | 244,837 35 | 634,898 59 | 1,365,101 41 | 25,899 00 |
| 2,000,000 | Jan., 1944 | 213,841 30 | 571,281 76 | 1,428,718 24 | 25,835 00 |
| 650,000 | Jan., 1945 | 94,016 76 | 258,759 40 | 391,240 60 | 6,749 00 |
| 1,350,000 | Jan., 1946 | 115,339 53 | 327,040 18 | 1,022,959 82 | 16,846 00 |
| 398,000 | Jan., 1949 | 15,375 41 | 47,670 08 | 350,329 92 | 5,042 00 |
| 500,000 | Jan., 1950 | 8,547 44 | 27,301 55 | 472,698 45 | 6,512 00 |
| \$41,398,000 | — | \$8,070,383 46 | \$18,320,313 39 | \$23,077,686 61 | \$515,369 00 |

Computations for determining the Assessment for 1911. (See Chapter 488, Acts of 1895, as amended in 1901, 1904 and 1906.)

[The proportion to be paid by each city and town is based on the ratio of its valuation of property to its consumption of water, with double weight being given to consumption. The last column shows the total ratio to be paid by each city and town of the whole assessment. To find each town's assessment, multiply the total assessment by the average ratio.]

| CITIES AND TOWNS. | Valuation May 1, 1910. | Average Daily Con- sumption (Gallons), 1910. | RATIO OF TOTALS. | | Average Ratio, Double Weight to Consump- tion. |
|---------------------------------|---------------------------|--|------------------|-------------------|---|
| | | | Valuation. | Consump- tion. | |
| Boston, | \$1,393,765,423 | 87,346,700 | .788,727,414 | .779,240,464 | .782,402,781 |
| Chelsea, | 25,720,100 | 2,834,500 | .014,554,923 | .025,287,241 | .021,709,802 |
| Everett, | 27,777,700 | 2,575,600 | .015,719,312 | .022,977,534 | .020,558,127 |
| Malden, | 40,491,334 | 1,874,400 | .022,913,945 | .016,721,964 | .018,785,958 |
| Medford, | 23,683,100 | 1,422,400 | .013,402,191 | .012,689,565 | .012,927,107 |
| Melrose, | 16,463,865 | 1,005,700 | .009,316,849 | .008,972,087 | .009,087,008 |
| Newton, ¹ | 14,717,502 | — | .008,328,588 | — | .002,776,196 |
| Quincy, | 32,456,380 | 2,891,900 | .018,366,962 | .025,799,320 | .023,321,867 |
| Somerville, | 66,376,338 | 6,189,500 | .037,562,158 | .055,217,986 | .049,332,710 |
| Arlington, | 11,887,267 | 938,200 | .006,726,966 | .008,369,903 | .007,822,257 |
| Belmont, | 6,516,525 | 329,500 | .003,687,681 | .002,939,547 | .003,188,925 |
| Hyde Park, ¹ | 2,927,715 | — | .001,656,784 | — | .000,552,261 |
| Lexington, | 7,826,980 | 345,500 | .004,429,263 | .003,082,287 | .003,531,279 |
| Milton, | 26,689,650 | 309,200 | .015,103,588 | .002,758,446 | .006,873,493 |
| Nahant, | 8,225,248 | 121,700 | .004,654,642 | .001,085,714 | .002,275,357 |
| Revere, | 17,719,612 | 1,313,400 | .010,027,472 | .011,717,150 | .011,153,924 |
| Stoneham, | 5,055,916 | 650,800 | .002,861,127 | .005,805,940 | .004,824,335 |
| Swampscott, | 11,187,540 | 412,800 | .006,330,993 | .003,682,686 | .004,565,455 |
| Watertown, | 14,423,061 | 880,800 | .008,161,964 | .007,857,824 | .007,959,204 |
| Winthrop, | 13,195,300 | 649,500 | .007,467,178 | .005,794,342 | .006,351,954 |
| | \$1,767,106,606 | 112,092,100 | 1,000,000,000 | 1,000,000,000 | 1,000,000,000 |

¹ In accordance with the provisions of the act above referred to, but one-fifth of the total valuation and no consumption has been taken, for at present these towns have a sufficient supply, and have not made application for water.

METROPOLITAN WATER LOAN.

Division of the Assessment for 1911 into Cost of Maintenance, Interest and Sinking Fund Requirements.

| CITIES AND TOWNS. | Interest. | Sinking Fund. | Cost of Maintenance. | Serial Bond. | Total Assessment. |
|---------------------|----------------|---------------|----------------------|--------------|-------------------|
| Boston, | \$1,107,789 43 | \$403,226 14 | \$310,435 29 | \$3,912 01 | \$1,825,362 87 |
| Chelsea, | 30,738 50 | 11,188 56 | 8,613 83 | 108 55 | 50,649 44 |
| Everett, | 29,107 87 | 10,595 02 | 8,156 88 | 102 79 | 47,962 56 |
| Malden, | 26,598 69 | 9,681 70 | 7,453 74 | 93 93 | 43,828 06 |
| Medford, | 18,303 25 | 6,662 23 | 5,129 11 | 64 64 | 30,159 23 |
| Melrose, | 12,866 12 | 4,683 16 | 3,605 47 | 45 43 | 21,200 18 |
| Newton, | 3,930 76 | 1,430 76 | 1,101 52 | 13 88 | 6,476 92 |
| Quincy, | 33,020 99 | 12,019 37 | 9,253 46 | 116 61 | 54,410 43 |
| Somerville, | 69,849 26 | 25,424 55 | 19,573 82 | 246 66 | 115,094 29 |
| Arlington, | 11,075 39 | 4,031 35 | 3,103 65 | 39 11 | 18,249 50 |
| Belmont, | 4,515 14 | 1,643 47 | 1,265 27 | 15 94 | 7,439 82 |
| Hyde Park, | 781 94 | 284 62 | 219 12 | 2 76 | 1,288 44 |
| Lexington, | 4,999 87 | 1,819 91 | 1,401 11 | 17 66 | 8,238 55 |
| Milton, | 9,732 05 | 3,542 39 | 2,727 21 | 34 37 | 16,036 02 |
| Nahant, | 3,221 64 | 1,172 65 | 902 80 | 11 38 | 5,308 47 |
| Revere, | 15,792 63 | 5,748 39 | 4,425 56 | 55 77 | 26,022 35 |
| Stoneham, | 6,830 69 | 2,486 31 | 1,914 16 | 24 12 | 11,255 28 |
| Swampscott, | 6,464 14 | 2,352 89 | 1,811 44 | 22 83 | 10,651 30 |
| Watertown, | 11,269 29 | 4,101 93 | 3,157 99 | 39 80 | 18,569 01 |
| Winthrop, | 8,993 61 | 3,273 60 | 2,520 28 | 31 76 | 14,819 25 |
| | \$1,415,881 26 | \$515,369 00 | \$396,771 71 | \$5,000 00 | \$2,333,021 97 |

*Comparison of Total Assessments, 1910 and 1911, with Revenue from
Water Rates in 1910.*

| CITIES AND TOWNS. | WATER ASSESSMENTS. | | Water Revenue received by Cities and Towns, 1910. |
|-----------------------|--------------------|----------------|--|
| | 1910. | 1911. | |
| Boston, | \$1,815,658 85 | \$1,825,362 87 | \$2,829,055 96 ¹ |
| Chelsea, | 47,716 42 | 50,649 44 | 124,317 13 |
| Everett, | 45,937 13 | 47,962 56 | 104,874 52 ² |
| Malden, | 42,302 82 | 43,828 06 | 91,691 64 ¹ |
| Medford, | 32,690 39 | 30,159 23 | 70,781 31 ³ |
| Melrose, | 19,640 91 | 21,200 18 | 45,697 15 ¹ |
| Newton, | 6,370 34 | 6,476 92 | — ⁴ |
| Quincy, | 50,950 31 | 54,410 43 | 115,766 57 ¹ |
| Somerville, | 110,056 25 | 115,094 29 | 235,718 79 ¹ |
| Arlington, | 16,241 07 | 18,249 50 | 50,280 86 |
| Belmont, | 6,812 68 | 7,439 82 | 18,275 92 ² |
| Hyde Park, | 1,316 24 | 1,288 44 | — ⁴ |
| Lexington, | 7,501 34 | 8,238 55 | 24,966 17 |
| Milton, | 15,113 85 | 16,036 02 | 47,986 44 |
| Nahant, | 4,357 11 | 5,308 47 | 11,131 76 |
| Revere, | 23,139 93 | 26,022 35 | 71,508 34 |
| Stoneham, | 9,670 13 | 11,255 28 | 25,581 78 ² |
| Swampscott, | 9,547 88 | 10,651 30 | 35,877 47 |
| Watertown, | 16,082 35 | 18,569 01 | 53,310 51 |
| Winthrop, | 16,681 77 | 14,819 25 | 51,130 26 |
| | \$2,297,787 77 | \$2,333,021 97 | \$4,007,952 58 |

¹ No money received for hydrant rentals or water used for street watering or other municipal purposes.

² No money received for hydrant rentals or water used for street watering.

³ No money received for hydrant rentals.

⁴ Not taking water from the district.

Net Water Debt of Cities in the Original Metropolitan Water District.

| CITIES. | 1910. | 1911. | Reduction. |
|-----------------------|------------------------|------------------------|-----------------------|
| Boston, | \$491,340 00 | \$386,765 45 | \$104,574 55 |
| Somerville, | 56,000 00 | 50,000 00 | 6,000 00 |
| Chelsea, | 157,984 00 | 146,729 00 | 11,255 00 |
| Everett, | 85,953 49 | 74,391 92 | 11,561 57 |
| Malden, | 78,259 21 | 64,148 57 | 14,110 64 |
| Medford, | —2,497 20 ¹ | —8,575 51 ¹ | 6,078 31 |
| Melrose, | 85,697 32 | 88,029 45 | 2,332 13 ² |
| | \$952,736 82 | \$801,488 88 | \$151,247 94 |

¹ Amount in sinking fund greater than outstanding debt.

² Increase.

STATEMENT II.

METROPOLITAN PARKS DISTRICT.

The gross metropolitan parks debt, April 1, 1911, was . . . \$9,535,000 00
an increase for the year of \$50,000.

The sinking funds established for payment of same, April 1, 1911,
amounted to 2,107,302 67
an increase for the year of \$205,413.58.

Net metropolitan parks debt, April 1, 1911, \$7,427,697 33
a decrease for the year of \$155,413.58.

BOULEVARDS.

The gross metropolitan parks, series two, debt (boulevards) (one-
half), April 1, 1911, was \$2,567,500 00
showing no increase for the past year.

The sinking funds established for payment of same, April 1, 1911,
amounted to 501,643 36
an increase for the year of \$50,253.84.

The net metropolitan parks, series two (boulevards) debt, April 1,
1911, was \$2,065,856 64
a decrease for the year of \$50,253.84.

METROPOLITAN PARKS LOAN.

The total parks assessment for 1911 is made up as follows:—

| | | |
|--|---------------------|---------------------|
| Parks sinking fund, | \$109,104 00 | |
| Parks, series two, sinking fund, | 30,538 00 | |
| Nantasket sinking fund, | 7,791 00 | |
| | | \$147,433 00 |
| Serial bond, | | 2,000 00 |
| Parks interest:— | | |
| One year on \$8,785,000, | \$301,225 00 | |
| Six months on \$50,000, | 875 00 | |
| Interest on advances esti- mated, | 5,000 00 | |
| | | \$307,100 00 |
| Less interest on advances over collected, | \$1,161 40 | |
| Less accrued interest, | 184 72 | |
| | | 1,346 12 |
| <i>Amounts carried forward,</i> | <i>\$305,753 88</i> | <i>\$149,433 00</i> |

Amounts brought forward, \$305,753 88 \$149,433 00

Parks, series two, interest:—

One year on \$2,567,500, . . . \$87,737 50

Interest on advances, 1910,
not assessed, 905 48

Interest on advances esti-
mated, 1,000 00

89,642 98

Nantasket interest,

One year on \$700,000, 21,000 00

416,396 86

Parks maintenance, \$407,466 99

Less balance on hand, 82 82

\$407,384 17

Boulevard maintenance, one-half, \$94,741 50

Less balance on hand, one-half, 224 51

94,516 99

Nantasket maintenance, . . . \$26,500 00

Less balance on hand, 21 36

26,478 64

528,379 80

Wellington Bridge maintenance, one-half, . . \$3,256 00

Less balance on hand, one-half, 06

3,255 94

Total parks assessment for 1911, \$1,097,465 60

METROPOLITAN PARKS, INCLUDING BOULEVARDS, NANTASKET, AND
SERIAL LOANS.

Total Assessments and Grand Total.

| | Total Sinking Fund. | Total Interest. | Total Main- tenance. | Total Serial Bonds. | Grand Total. |
|-------------------|---------------------------|--------------------|-------------------------|------------------------|-----------------------------|
| Boston, . . . | \$80,894 71 | \$228,008 33 | \$291,434 67 | \$1,189 06 | \$601,526 77 |
| Cambridge, . . . | 7,928 23 | 22,402 92 | 28,431 15 | 106 56 | 58,868 86 |
| Chelsea, . . . | 1,708 96 | 4,831 00 | 6,355 75 | 25 78 | 12,921 49 |
| Everett, . . . | 2,064 43 | 5,853 84 | 7,841 18 | 27 36 | 15,786 81 |
| Lynn, . . . | 6,199 73 | 17,484 96 | 23,252 06 | 73 82 | 47,010 57 |
| Malden, . . . | 3,786 65 | 10,716 92 | 14,026 31 | 42 70 | 28,572 58 |
| Medford, . . . | 2,274 87 | 6,526 58 | 7,963 43 | 22 84 | 16,787 72 |
| Melrose, . . . | 1,583 40 | 4,495 16 | 5,539 89 | 15 94 | 11,634 39 |
| Newton, . . . | 4,684 68 | 13,202 33 | 16,955 79 | 68 00 | 34,910 80 |
| Quincy, . . . | 4,123 89 | 11,763 35 | 14,321 15 | 29 56 | 30,237 95 |
| Somerville, . . . | 5,030 06 | 14,205 35 | 18,497 03 | 64 82 | 37,797 26 |
| Waltham, . . . | 2,110 28 | 5,949 18 | 7,836 42 | 27 02 | 15,922 90 |
| Woburn, . . . | 825 63 | 2,326 01 | 3,049 09 | 11 88 | 6,212 61 |
| Arlington, . . . | 1,254 57 | 3,564 86 | 4,395 98 | 11 28 | 9,226 69 |
| Belmont, . . . | 662 34 | 1,882 53 | 2,296 18 | 6 24 | 4,847 29 |
| Braintree, . . . | 174 59 | 492 16 | 548 10 | 3 34 | 1,218 19 |
| Brookline, . . . | 6,304 31 | 17,768 06 | 22,583 43 | 93 06 | 46,748 86 |
| Canton, . . . | 93 61 | 263 50 | 264 74 | 2 38 | 624 23 |
| Cohasset, . . . | 27 59 | 74 34 | 93 71 | — | 195 64 |
| Dedham, . . . | 945 57 | 2,665 72 | 3,475 44 | 12 48 | 7,099 21 |
| Dover, . . . | 395 30 | 1,117 29 | 1,467 41 | 2 96 | 2,982 96 |
| Hingham, . . . | 232 16 | 654 96 | 771 41 | 3 58 | 1,662 11 |
| Hull, . . . | 163 21 | 460 20 | 523 47 | 2 88 | 1,149 76 |
| Hyde Park, . . . | 1,420 40 | 4,027 22 | 5,098 31 | 14 42 | 10,560 35 |
| Milton, . . . | 2,490 04 | 7,123 55 | 8,533 74 | 23 76 | 18,171 09 |
| Nahant, . . . | 1,064 82 | 3,072 05 | 3,254 68 | 4 16 | 7,395 71 |
| Needham, . . . | 480 52 | 1,355 25 | 1,794 65 | 5 60 | 3,636 02 |
| Revere, . . . | 1,332 32 | 3,831 79 | 4,933 77 | 15 46 | 10,113 34 |
| Saugus, . . . | 519 03 | 1,463 66 | 1,957 69 | 6 02 | 3,946 40 |
| Stoneham, . . . | 395 98 | 1,117 57 | 1,445 05 | 5 34 | 2,963 94 |
| Swampscott, . . . | 604 64 | 1,703 20 | 2,165 18 | 9 62 | 4,482 64 |
| Wakefield, . . . | 725 87 | 2,045 91 | 2,698 17 | 9 58 | 5,479 53 |
| Watertown, . . . | 1,071 22 | 3,019 68 | 3,953 10 | 14 16 | 8,058 16 |
| Wellesley, . . . | 940 59 | 2,652 07 | 3,430 63 | 12 42 | 7,035 71 |
| Weston, . . . | 503 84 | 1,420 46 | 1,824 53 | 6 88 | 3,755 71 |
| Westwood, . . . | 74 74 | 210 75 | 235 53 | 1 42 | 522 44 |
| Weymouth, . . . | 202 25 | 569 86 | 613 39 | 4 28 | 1,389 78 |
| Winchester, . . . | 1,193 17 | 3,409 75 | 4,247 75 | 12 16 | 8,862 83 |
| Winthrop, . . . | 944 80 | 2,664 54 | 3,525 78 | 11 18 | 7,146 30 |
| | \$147,433 00 | \$416,396 86 | \$531,635 74 | \$2,000 00 | \$1,097,465 60 ¹ |

¹ Exclusive of \$12,632.83 special assessments for Wellington and Wellesley bridges, also Alewife Brook, which are included on page 4.

METROPOLITAN PARKS.

The total amount of bonds issued for the metropolitan parks is \$16,527,500, including one-half of those for the boulevards, also called series two, those for the improvement of the Charles River basin, \$185,-317.42 for the Wellington Bridge, \$16,000 for Newton and Wellesley bridge, and \$125,000 for Alewife Brook.

Proportions to be paid annually as found by Commissioners.

| | Parks, 1910-1915. | Boulevards, 1910-1915. | Nantasket, 1910-1915. |
|-----------------------|----------------------|---------------------------|--------------------------|
| Boston, | .59453 | .46943 | .60768 |
| Cambridge, | .05328 | .05317 | .04879 |
| Chelsea, | .01289 | .01463 | .01090 |
| Everett, | .01368 | .02184 | .01169 |
| Lynn, | .03691 | .02480 | .03168 |
| Malden, | .02135 | .02644 | .01925 |
| Medford, | .01142 | .04294 | .01038 |
| Melrose, | .00797 | .01322 | .00730 |
| Newton, | .03400 | .02602 | .03457 |
| Quincy, | .01478 | .04393 | .01309 |
| Somerville, | .03241 | .02929 | .02797 |
| Waltham, | .01351 | .00919 | .01222 |
| Woburn, | .00594 | .00375 | .00498 |
| Arlington, | .00564 | .01057 | .00515 |
| Belmont, | .00312 | .00594 | .00293 |
| Braintree, | .00167 | .00208 | .00277 |
| Brookline, | .04653 | .03815 | .05068 |
| Canton, | .00119 | .00148 | .00197 |
| Cohasset, | — | — | .00360 |
| Dedham, | .00624 | .00459 | .00609 |
| Dover, | .00148 | .00185 | .00245 |
| Hingham, | .00179 | .00223 | .00296 |
| Hull, | .00144 | .00180 | .00240 |
| Hyde Park, | .00721 | .01052 | .00643 |
| Milton, | .01188 | .03957 | .01284 |
| Nahant, | .00208 | .02020 | .00345 |
| Needham, | .00280 | .00198 | .00263 |
| Revere, | .00773 | .03093 | .00670 |
| Saugus, | .00301 | .00188 | .00249 |
| Stoneham, | .00267 | .00214 | .00222 |
| Swampscott, | .00481 | .00363 | .00482 |
| Wakefield, | .00479 | .00311 | .00414 |
| Watertown, | .00708 | .00498 | .00662 |
| Wellesley, | .00621 | .00493 | .00655 |
| Weston, | .00344 | .00281 | .00374 |
| Westwood, | .00071 | .00088 | .00117 |
| Weymouth, | .00214 | .00268 | .00356 |
| Winchester, | .00608 | .01849 | .00591 |
| Winthrop, | .00559 | .00393 | .00523 |
| | 1.00000 | 1.00000 | 1.00000 |

METROPOLITAN PARKS LOANS.

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1910. | Amount of Dec. 1, 1910, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Re- quirements for 1911. |
|------------------|---------------|-------------------------------|--|--------------------------------------|--|
| \$125,000 | Jan. 1, 1928 | \$11,771 19 | \$19,528 36 | \$105,471 64 | \$4,838 00 |
| 1,300,000 | Jan. 1, 1934 | 363,421 49 | 720,856 03 | 579,143 97 | 17,798 00 |
| 2,000,000 | Jan. 1, 1936 | 511,465 68 | 1,076,759 22 | 923,240 78 | 25,248 00 |
| 1,400,000 | Jan. 1, 1937 | 342,748 79 | 743,378 70 | 656,621 30 | 16,980 00 |
| 1,000,000 | July 1, 1938 | 233,147 45 | 528,765 34 | 471,234 66 | 11,368 00 |
| 505,000 | July 1, 1939 | 111,287 27 | 260,021 87 | 244,978 13 | 5,604 00 |
| 650,000 | Jan. 1, 1941 | 175,522 24 | 428,839 39 | 221,160 61 | 4,632 00 |
| 125,000 | Jan. 1, 1943 | 17,100 61 | 44,344 35 | 80,655 65 | 1,531 00 |
| 340,000 | July 1, 1943 | 47,691 28 | 125,525 42 | 214,474 58 | 4,009 00 |
| 300,000 | Jan. 1, 1944 | 33,581 02 | 89,712 44 | 210,287 56 | 3,803 00 |
| 370,000 | Jan. 1, 1945 | 32,459 34 | 89,336 83 | 280,663 17 | 4,842 00 |
| 300,000 | Jan. 1, 1946 | 26,790 95 | 75,964 56 | 224,035 44 | 3,690 00 |
| 300,000 | Jan. 1, 1947 | 18,405 67 | 53,765 86 | 246,234 14 | 3,874 00 |
| 70,000 | Jan. 1, 1949 | 2,713 01 | 8,411 44 | 61,588 56 | 887 00 |
| \$8,785,000 | - | \$1,928,105 99 | \$4,265,209 81 | \$4,519,790 19 | \$109,104 00 |

Nantasket.

| | | | | | |
|-----------|--------------|--------------|--------------|--------------|------------|
| \$600,000 | July 1, 1939 | \$134,074 36 | \$313,263 74 | \$286,736 26 | \$6,558 00 |
| 100,000 | Jan. 1, 1941 | 16,838 35 | 41,139 78 | 58,860 22 | 1,233 00 |
| \$700,000 | - | \$150,912 71 | \$354,403 52 | \$345,596 48 | \$7,791 00 |

METROPOLITAN PARKS LOANS, SERIES TWO.

Sinking Fund.

| BONDS ISSUED. | Due Dates. | Sinking Fund Dec. 1, 1910. | Amount of Dec. 1, 1910, Sinking Fund at Maturity of Loan, Accumulations reckoned at 3 Per Cent. | Balance to be provided for. | Sinking Fund Re- quirements in 1911. |
|------------------|----------------|-------------------------------|--|--------------------------------------|---|
| Jan., 1934, . | \$250,000 00 | \$73,351 31 | \$145,857 97 | \$104,142 03 | \$3,146 00 |
| Jan., 1936, . | 300,000 00 | 80,566 36 | 170,035 74 | 129,964 26 | 3,493 00 |
| Jan., 1937, . | 500,000 00 | 128,575 52 | 279,561 17 | 220,438 83 | 5,603 00 |
| July, 1938, . | 50,000 00 | 12,233 07 | 27,812 25 | 22,187 75 | 514 00 |
| July, 1939, . | 250,000 00 | 58,638 37 | 137,345 57 | 112,654 43 | 2,477 00 |
| July, 1940, . | 162,500 00 | 33,170 54 | 80,041 90 | 82,458 10 | 1,723 00 |
| Jan., 1940, . | 225,000 00 | 36,089 17 | 85,800 87 | 139,199 13 | 3,015 00 |
| Jan., 1943, . | 55,000 00 | 7,753 95 | 20,157 37 | 34,842 63 | 650 00 |
| July, 1943, . | 150,000 00 | 17,611 90 | 46,469 42 | 103,530 58 | 1,868 00 |
| Jan., 1944, . | 150,000 00 | 17,096 22 | 45,787 11 | 104,212 89 | 1,853 00 |
| Jan., 1945, . | 150,000 00 | 13,144 76 | 36,268 35 | 113,731 65 | 1,929 00 |
| Jan., 1946, . | 150,000 00 | 8,597 21 | 24,437 95 | 125,562 05 | 2,033 00 |
| Jan., 1947, . | 150,000 00 | 9,084 51 | 26,603 63 | 123,396 37 | 1,908 00 |
| Jan., 1949, . | 25,000 00 | 638 28 | 1,983 87 | 23,016 13 | 326 00 |
| | \$2,567,500 00 | \$496,551 17 | \$1,128,163 17 | \$1,439,336 83 | \$30,538 00 |

METROPOLITAN PARKS LOAN.

*Sinking Fund, Equalized.*¹

[See chapter 457, Acts of 1905.]

| CITIES AND TOWNS. | Sinking Fund Apportionment. 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the basis of the 1911 Apportionment. | Total 1911 Parks Sinking Fund Assessment due the Commonwealth. |
|-----------------------|---|--|---|
| Boston, | \$64,865 60 | —\$3,015 10 | \$61,850 50 |
| Cambridge, | 5,813 06 | —83 40 | 5,729 66 |
| Chelsea, | 1,406 35 | +93 14 | 1,499 49 |
| Everett, | 1,492 54 | +358 48 | 1,851 02 |
| Lynn, | 4,027 03 | +1,037 53 | 5,064 56 |
| Malden, | 2,329 37 | +565 33 | 2,894 70 |
| Medford, | 1,245 97 | +66 07 | 1,312 04 |
| Melrose, | 869 56 | +27 08 | 896 64 |
| Newton, | 3,709 54 | —85 56 | 3,623 98 |
| Quincy, | 1,612 56 | +338 98 | 1,951 54 |
| Somerville, | 3,536 06 | +406 12 | 3,942 18 |
| Waltham, | 1,474 00 | +232 85 | 1,706 85 |
| Woburn, | 648 08 | +41 16 | 689 24 |
| Arlington, | 615 35 | +66 07 | 681 42 |
| Belmont, | 340 40 | +6 50 | 346 90 |
| Braintree, | 182 20 | —98 56 | 83 64 |
| Brookline, | 5,076 61 | —362 82 | 4,713 79 |
| Canton, | 129 83 | —94 22 | 35 61 |
| Cohasset, | — | — | — |
| Dedham, | 680 81 | +62 82 | 743 63 |
| Dover, | 161 47 | +99 63 | 261 10 |
| Hingham, | 195 30 | —70 39 | 124 91 |
| Hull, | 157 11 | —75 81 | 81 30 |
| Hyde Park, | 786 64 | +125 63 | 912 27 |
| Milton, | 1,296 15 | —56 32 | 1,239 83 |
| Nahant, | 226 94 | —173 28 | 53 66 |
| Needham, | 305 49 | +76 89 | 382 38 |
| Revere, | 843 37 | +205 78 | 1,049 15 |
| Saugus, | 328 40 | +100 72 | 429 12 |
| Stoneham, | 291 31 | +16 24 | 307 55 |
| Swampscott, | 524 79 | —54 15 | 470 64 |
| Wakefield, | 522 61 | +74 73 | 597 34 |
| Watertown, | 772 46 | +84 47 | 856 93 |
| Wellesley, | 677 54 | +38 99 | 716 53 |
| Weston, | 375 32 | +3 25 | 378 57 |
| Westwood, | 77 46 | —41 16 | 36 30 |
| Weymouth, | 233 48 | —144 04 | 89 44 |
| Winchester, | 663 35 | +82 31 | 745 66 |
| Winthrop, | 609 89 | +144 04 | 753 93 |
| | \$109,104 00 { | + \$4,354 81 } — 4,354 81 } | \$109,104 00 |

¹ As the commission appointed to revise the assessment last year did not report in time to levy the assessment under the new apportionment, last year's assessment was made upon the basis of the previous apportionments, and an adjustment has been made this year as provided by Acts of 1905, chapter 457.

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARDS).

Sinking Fund, Equalized.

| CITIES AND TOWNS. | Sinking Fund Apportionment. 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Boulevard Sinking Fund Assessment due the Commonwealth. |
|---------------------|---|--|---|
| Boston, | \$14,335 45 | +\$69 92 | \$14,405 37 |
| Cambridge, | 1,623 71 | +233 80 | 1,857 51 |
| Chelsea, | 446 77 | —313 90 | 132 87 |
| Everett, | 666 95 | —555 09 | 111 86 |
| Lynn, | 757 34 | +96 73 | 854 07 |
| Malden, | 807 42 | —89 95 | 717 47 |
| Medford, | 1,311 30 | —426 33 | 884 97 |
| Melrose, | 403 71 | +229 18 | 632 89 |
| Newton, | 794 60 | —2 46 | 792 14 |
| Quincy, | 1,341 54 | +717 43 | 2,058 97 |
| Somerville, | 894 46 | —20 02 | 874 44 |
| Waltham, | 280 64 | +20 64 | 301 28 |
| Woburn, | 114 52 | —12 62 | 101 90 |
| Arlington, | 322 79 | +209 16 | 531 95 |
| Belmont, | 181 40 | +112 13 | 293 53 |
| Braintree, | 63 52 | +4 31 | 67 83 |
| Brookline, | 1,165 02 | +23 10 | 1,188 12 |
| Canton, | 45 20 | —1 85 | 43 35 |
| Cohasset, | — | — | — |
| Dedham, | 140 17 | +10 78 | 150 95 |
| Dover, | 56 50 | +44 05 | 100 55 |
| Hingham, | 68 10 | +12 01 | 80 11 |
| Hull, | 54 97 | +6 16 | 61 13 |
| Hyde Park, | 321 26 | +133 69 | 454 95 |
| Milton, | 1,208 39 | —61 92 | 1,146 47 |
| Nahant, | 616 87 | +369 03 | 985 90 |
| Needham, | 60 47 | +12 94 | 73 41 |
| Revere, | 944 54 | —720 50 | 224 04 |
| Saugus, | 57 41 | +9 86 | 67 27 |
| Stoneham, | 65 35 | +8 01 | 73 36 |
| Swampscott, | 110 85 | —10 78 | 100 07 |
| Wakefield, | 94 97 | + 92 | 95 89 |
| Watertown, | 152 08 | +8 01 | 160 09 |
| Wellesley, | 150 55 | +16 94 | 167 49 |
| Weston, | 85 81 | +7 70 | 93 51 |
| Westwood, | 26 87 | +1 85 | 28 72 |
| Weymouth, | 81 84 | +2 46 | 84 30 |
| Winchester, | 564 65 | —167 88 | 396 77 |
| Winthrop, | 120 01 | +22 49 | 142 50 |
| | \$30,538 00 { | + \$2,383 30 } — 2,383 30 } | \$30,538 00 |

METROPOLITAN PARKS LOAN, NANTASKET.

Sinking Fund, Equalized.

| CITIES AND TOWNS. | Sinking Fund Apportionment. 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Nantasket Sinking Fund Assessment due the Commonwealth. |
|---------------------|---|--|---|
| Boston, | \$4,734 43 | —\$95 59 | \$4,638 84 |
| Cambridge, | 380 12 | —39 06 | 341 06 |
| Chelsea, | 84 92 | —8 32 | 76 60 |
| Everett, | 91 08 | +10 47 | 101 55 |
| Lynn, | 246 82 | +34 28 | 281 10 |
| Malden, | 149 98 | +24 50 | 174 48 |
| Medford, | 80 87 | —3 01 | 77 86 |
| Melrose, | 56 87 | —3 00 | 53 87 |
| Newton, | 269 33 | — 77 | 268 56 |
| Quincy, | 101 98 | +11 40 | 113 38 |
| Somerville, | 217 91 | —4 47 | 213 44 |
| Waltham, | 95 21 | +6 94 | 102 15 |
| Woburn, | 38 80 | —4 31 | 34 49 |
| Arlington, | 40 12 | +1 08 | 41 20 |
| Belmont, | 22 83 | — 92 | 21 91 |
| Braintree, | 21 58 | +1 54 | 23 12 |
| Brookline, | 394 85 | +7 55 | 402 40 |
| Canton, | 15 35 | — 70 | 14 65 |
| Cohasset, | 28 05 | — 46 | 27 59 |
| Dedham, | 47 45 | +3 54 | 50 99 |
| Dover, | 19 09 | +14 56 | 33 65 |
| Hingham, | 23 06 | +4 08 | 27 14 |
| Hull, | 18 70 | +2 08 | 20 78 |
| Hyde Park, | 50 10 | +3 08 | 53 18 |
| Milton, | 100 04 | +3 70 | 103 74 |
| Nahant, | 26 88 | —1 62 | 25 26 |
| Needham, | 20 49 | +4 24 | 24 73 |
| Revere, | 52 20 | +6 93 | 59 13 |
| Saugus, | 19 40 | +3 24 | 22 64 |
| Stoneham, | 17 30 | —2 23 | 15 07 |
| Swampscott, | 37 55 | —3 62 | 33 93 |
| Wakefield, | 32 25 | + 39 | 32 64 |
| Watertown, | 51 58 | +2 62 | 54 20 |
| Wellesley, | 51 03 | +5 54 | 56 57 |
| Weston, | 29 14 | +2 62 | 31 76 |
| Westwood, | 9 11 | + 61 | 9 72 |
| Weymouth, | 27 74 | + 77 | 28 51 |
| Winchester, | 46 04 | +4 70 | 50 74 |
| Winthrop, | 40 75 | +7 62 | 48 37 |
| | \$7,791 00 { | +\$168 08 } —168 08 } | \$7,791 00 |

METROPOLITAN PARKS LOAN.

Interest, Equalized.

| CITIES AND TOWNS. | Interest Apportionment. 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Parks Interest Assessment due the Commonwealth. |
|---------------------|-------------------------------------|--|--|
| Boston, | \$181,779 85 | —\$8,552 01 | \$173,227 84 |
| Cambridge, | 16,290 57 | —236 53 | 16,054 04 |
| Chelsea, | 3,941 17 | +264 18 | 4,205 35 |
| Everett, | 4,182 71 | +1,016 78 | 5,199 49 |
| Lynn, | 11,285 38 | +2,942 82 | 14,228 20 |
| Malden, | 6,527 84 | +1,603 51 | 8,131 35 |
| Medford, | 3,491 71 | +187 38 | 3,679 09 |
| Melrose, | 2,436 86 | +76 80 | 2,513 66 |
| Newton, | 10,395 63 | —242 67 | 10,152 96 |
| Quincy, | 4,519 04 | +961 48 | 5,480 52 |
| Somerville, | 9,909 48 | +1,151 94 | 11,061 42 |
| Waltham, | 4,130 73 | +660 45 | 4,791 18 |
| Woburn, | 1,816 18 | +116 74 | 1,932 92 |
| Arlington, | 1,724 45 | +187 38 | 1,911 83 |
| Belmont, | 953 95 | +18 43 | 972 38 |
| Braintree, | 510 61 | —279 54 | 231 07 |
| Brookline, | 14,226 73 | —1,029 06 | 13,197 67 |
| Canton, | 363 85 | —267 25 | 96 60 |
| Cohasset, | — | — | — |
| Dedham, | 1,907 90 | +178 17 | 2,086 07 |
| Dover, | 452 52 | +282 61 | 735 13 |
| Hingham, | 547 30 | —199 67 | 347 63 |
| Hull, | 440 29 | —215 02 | 225 27 |
| Hyde Park, | 2,204 49 | +356 33 | 2,560 82 |
| Milton, | 3,632 36 | —159 74 | 3,472 62 |
| Nahant, | 635 97 | —491 50 | 144 47 |
| Needham, | 856 11 | +218 10 | 1,074 21 |
| Revere, | 2,363 48 | +583 65 | 2,947 13 |
| Saugus, | 920 32 | +285 68 | 1,206 00 |
| Stoneham, | 816 36 | +46 08 | 862 44 |
| Swampscott, | 1,470 68 | —153 59 | 1,317 09 |
| Wakefield, | 1,464 56 | +211 95 | 1,676 51 |
| Watertown, | 2,164 74 | +239 60 | 2,404 34 |
| Wellesley, | 1,898 73 | +110 58 | 2,009 31 |
| Weston, | 1,051 79 | +9 21 | 1,061 00 |
| Westwood, | 217 09 | —116 73 | 100 36 |
| Weymouth, | 654 31 | —408 55 | 245 76 |
| Winchester, | 1,858 98 | +233 46 | 2,092 44 |
| Winthrop, | 1,709 16 | +408 55 | 2,117 71 |
| | \$305,753 88 { | + \$12,351 86 } —12,351 86 } | \$305,753 88 |

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARDS).

Interest, Equalized.

| CITIES AND TOWNS. | Interest Apportionment. 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Boulevard Interest Assessment due the Commonwealth. |
|-----------------------|-------------------------------------|--|--|
| Boston, | \$42,081 10 | +\$198 72 | \$42,279 82 |
| Cambridge, | 4,766 32 | +664 44 | 5,430 76 |
| Chelsea, | 1,311 48 | —892 05 | 419 43 |
| Everett, | 1,957 80 | —1,577 50 | 380 30 |
| Lynn, | 2,223 15 | +274 88 | 2,498 03 |
| Malden, | 2,370 16 | —255 62 | 2,114 54 |
| Medford, | 3,849 27 | —1,211 57 | 2,637 70 |
| Melrose, | 1,185 08 | +651 31 | 1,836 39 |
| Newton, | 2,332 51 | —7 01 | 2,325 50 |
| Quincy, | 3,938 02 | +2,038 84 | 5,976 86 |
| Somerville, | 2,625 64 | —56 90 | 2,568 74 |
| Waltham, | 823 82 | +58 66 | 882 48 |
| Woburn, | 336 16 | —35 89 | 300 27 |
| Arlington, | 947 53 | +594 41 | 1,541 94 |
| Belmont, | 532 48 | +318 66 | 851 14 |
| Braintree, | 186 46 | +12 26 | 198 72 |
| Brookline, | 3,419 88 | +65 65 | 3,485 53 |
| Canton, | 132 67 | —5 25 | 127 42 |
| Cohasset, | — | — | — |
| Dedham, | 411 46 | +30 64 | 442 10 |
| Dover, | 165 84 | +125 18 | 291 02 |
| Hingham, | 199 90 | +34 14 | 234 04 |
| Hull, | 161 36 | +17 50 | 178 86 |
| Hyde Park, | 943 04 | +379 93 | 1,322 97 |
| Milton, | 3,547 17 | —175 96 | 3,371 21 |
| Nahant, | 1,810 79 | +1,048 75 | 2,859 54 |
| Needham, | 177 49 | +36 77 | 214 26 |
| Revere, | 2,772 66 | —2,047 60 | 725 06 |
| Saugus, | 168 53 | +28 02 | 196 55 |
| Stoneham, | 191 84 | +22 76 | 214 60 |
| Swampscott, | 325 40 | —30 64 | 294 76 |
| Wakefield, | 278 79 | +2 62 | 281 41 |
| Watertown, | 446 42 | +22 76 | 469 18 |
| Wellesley, | 441 94 | +48 15 | 490 09 |
| Weston, | 251 90 | +21 88 | 273 78 |
| Westwood, | 78 88 | +5 26 | 84 14 |
| Weymouth, | 240 24 | +7 00 | 247 24 |
| Winchester, | 1,657 50 | —477 11 | 1,180 39 |
| Winthrop, | 352 30 | +63 91 | 416 21 |
| | \$89,642 98 { | + \$6,773 10 } — 6,773 10 } | \$89,642 98 |

METROPOLITAN PARKS LOAN, NANTASKET.

Interest, Equalized.

| CITIES AND TOWNS. | Interest Apportionment. 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Nantasket Interest Assessment due the Commonwealth. |
|---------------------|-------------------------------------|--|--|
| Boston, | \$12,761 28 | —\$260 61 | \$12,500 67 |
| Cambridge, | 1,024 59 | —106 47 | 918 12 |
| Chelsea, | 228 90 | —22 68 | 206 22 |
| Everett, | 245 49 | +28 56 | 274 05 |
| Lynn, | 665 28 | +93 45 | 758 73 |
| Malden, | 404 25 | +66 78 | 471 03 |
| Medford, | 217 98 | —8 19 | 209 79 |
| Melrose, | 153 30 | —8 19 | 145 11 |
| Newton, | 725 97 | —2 10 | 723 87 |
| Quincy, | 274 89 | +31 08 | 305 97 |
| Somerville, | 587 37 | —12 18 | 575 19 |
| Waltham, | 256 62 | +18 90 | 275 52 |
| Woburn, | 104 58 | —11 76 | 92 82 |
| Arlington, | 108 15 | +2 94 | 111 09 |
| Belmont, | 61 53 | —2 52 | 59 01 |
| Braintree, | 58 17 | +4 20 | 62 37 |
| Brookline, | 1,064 28 | +20 58 | 1,084 86 |
| Canton, | 41 37 | —1 89 | 39 48 |
| Cohasset, | 75 60 | —1 26 | 74 34 |
| Dedham, | 127 89 | +9 66 | 137 55 |
| Dover, | 51 45 | +39 69 | 91 14 |
| Hingham, | 62 16 | +11 13 | 73 29 |
| Hull, | 50 40 | +5 67 | 56 07 |
| Hyde Park, | 135 03 | +8 40 | 143 43 |
| Milton, | 269 64 | +10 08 | 279 72 |
| Nahant, | 72 45 | —4 41 | 68 04 |
| Needham, | 55 23 | +11 55 | 66 78 |
| Revere, | 140 70 | +18 90 | 159 60 |
| Saugus, | 52 29 | +8 82 | 61 11 |
| Stoneham, | 46 62 | —6 09 | 40 53 |
| Swampscott, | 101 22 | —9 87 | 91 35 |
| Wakefield, | 86 94 | +1 05 | 87 99 |
| Watertown, | 139 02 | +7 14 | 146 16 |
| Wellesley, | 137 55 | +15 12 | 152 67 |
| Weston, | 78 54 | +7 14 | 85 68 |
| Westwood, | 24 57 | +1 68 | 26 25 |
| Weymouth, | 74 76 | +2 10 | 76 86 |
| Winchester, | 124 11 | +12 81 | 136 92 |
| Winthrop, | 109 83 | +20 79 | 130 62 |
| | \$21,000 00 { | + \$458 22 } — 458 22 } | \$21,000 00 |

METROPOLITAN PARKS LOAN.

Maintenance, Equalized.

| CITIES AND TOWNS. | Maintenance Apportionment, 1911. | Adjustment Account of Reap- portionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Parks Maintenance Assessment due the Commonwealth. |
|---------------------|--|--|---|
| Boston, | \$242,202 11 | —\$13,048 16 | \$229 153 95 |
| Cambridge, | 21,705 43 | —360 88 | 21,344 55 |
| Chelsea, | 5,251 18 | +403 06 | 5,654 24 |
| Everett, | 5,573 01 | +1,551 34 | 7,124 35 |
| Lynn, | 15,036 55 | +4,489 99 | 19,526 54 |
| Malden, | 8,697 65 | +2,446 53 | 11,144 18 |
| Medford, | 4,652 33 | +285 90 | 4,938 23 |
| Melrose, | 3,246 85 | +117 17 | 3,364 02 |
| Newton, | 13,851 06 | —370 26 | 13,480 80 |
| Quincy, | 6,021 14 | +1,467 01 | 7,488 15 |
| Somerville, | 13,203 32 | +1,757 56 | 14,960 88 |
| Waltham, | 5,503 76 | +1,007 67 | 6,511 43 |
| Woburn, | 2,419 86 | +178 10 | 2,597 96 |
| Arlington, | 2,297 65 | +285 90 | 2,583 55 |
| Belmont, | 1,271 04 | +28 11 | 1,299 15 |
| Braintree, | 680 33 | —426 50 | 253 83 |
| Brookline, | 18,955 58 | —1,570 09 | 17,385 49 |
| Canton, | 484 79 | —407 76 | 77 03 |
| Cohasset, | — | — | — |
| Dedham, | 2,542 08 | +271 84 | 2,813 92 |
| Dover, | 602 93 | +431 19 | 1,034 12 |
| Hingham, | 729 22 | —304 65 | 424 57 |
| Hull, | 586 63 | —328 08 | 258 55 |
| Hyde Park, | 2,937 24 | +543 67 | 3,480 91 |
| Milton, | 4,839 72 | —243 72 | 4,596 00 |
| Nahant, | 847 36 | —749 90 | 97 46 |
| Needham, | 1,140 67 | +332 77 | 1,473 44 |
| Revere, | 3,149 08 | +890 50 | 4,039 58 |
| Saugus, | 1,226 23 | +435 88 | 1,662 11 |
| Stoneham, | 1,087 72 | +70 31 | 1,158 03 |
| Swampscott, | 1,959 52 | —234 34 | 1,725 18 |
| Wakefield, | 1,951 37 | +323 39 | 2,274 76 |
| Watertown, | 2,884 28 | +365 57 | 3,249 85 |
| Wellesley, | 2,529 86 | +168 73 | 2,698 59 |
| Weston, | 1,401 40 | +14 06 | 1,415 46 |
| Westwood, | 289 24 | —178 11 | 111 13 |
| Weymouth, | 871 80 | —623 35 | 248 45 |
| Winchester, | 2,476 90 | +356 20 | 2,833 10 |
| Winthrop, | 2,277 28 | +623 35 | 2,900 63 |
| | \$407,384 17 { | + \$18,845 80 } —18,845 80 } | \$407,384 17 |

METROPOLITAN PARKS LOAN, SERIES TWO (BOULEVARDS).

Maintenance, Equalized.

| CITIES AND TOWNS. | Maintenance Apportionment. 1911. | Adjustment Account of Reapportionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Boulevard Maintenance Assessment due the Commonwealth. |
|---------------------|----------------------------------|--|---|
| Boston, | \$44,369 11 | +\$218 94 | \$44,588 05 |
| Cambridge, | 5,025 47 | +732 06 | 5,757 53 |
| Chelsea, | 1,382 79 | —982 84 | 399 95 |
| Everett, | 2,064 25 | —1,738 06 | 326 19 |
| Lynn, | 2,344 02 | +302 86 | 2,646 88 |
| Malden, | 2,499 03 | —281 64 | 2,217 39 |
| Medford, | 4,058 56 | —1,334 90 | 2,723 66 |
| Melrose, | 1,249 51 | +717 60 | 1,967 11 |
| Newton, | 2,459 33 | —7 72 | 2,451 61 |
| Quincy, | 4,152 13 | +2,246 36 | 6,398 49 |
| Somerville, | 2,768 40 | —62 69 | 2,705 71 |
| Waltham, | 868 61 | +64 62 | 933 23 |
| Woburn, | 354 44 | —39 55 | 314 89 |
| Arlington, | 999 05 | +654 90 | 1,653 95 |
| Belmont, | 561 43 | +351 08 | 912 51 |
| Braintree, | 196 60 | +13 50 | 210 10 |
| Brookline, | 3,605 82 | +72 34 | 3,678 16 |
| Canton, | 139 89 | —5 79 | 134 10 |
| Cohasset, | — | — | — |
| Dedham, | 433 83 | +33 75 | 467 58 |
| Dover, | 174 86 | +137 93 | 312 79 |
| Hingham, | 210 77 | +37 62 | 248 39 |
| Hull, | 170 13 | +19 29 | 189 42 |
| Hyde Park, | 994 32 | +418 60 | 1,412 92 |
| Milton, | 3,740 04 | —193 87 | 3,546 17 |
| Nahant, | 1,909 24 | +1,155 50 | 3,064 74 |
| Needham, | 187 15 | +40 52 | 227 67 |
| Revere, | 2,923 41 | —2,256 00 | 667 41 |
| Saugus, | 177 69 | +30 87 | 208 56 |
| Stoneham, | 202 27 | +25 08 | 227 35 |
| Swampscott, | 343 10 | —33 76 | 309 34 |
| Wakefield, | 293 95 | +2 90 | 296 85 |
| Watertown, | 470 69 | +25 08 | 495 77 |
| Wellesley, | 465 97 | +53 05 | 519 02 |
| Weston, | 265 59 | +24 11 | 289 70 |
| Westwood, | 83 17 | +5 79 | 88 96 |
| Weymouth, | 253 30 | +7 72 | 261 02 |
| Winchester, | 1,747 62 | —525 66 | 1,221 96 |
| Winthrop, | 371 45 | +70 41 | 441 86 |
| | \$94,516 99 { | + \$7,462 48 } — 7,462 48 } | \$94,516 99 |

METROPOLITAN PARKS LOAN, NANTASKET.

Maintenance, Equalized.

| CITIES AND TOWNS. | Maintenance Apportionment, 1911. | Adjustment Account of Reapportionment of 1910 Assessment on the Basis of the 1911 Apportionment. | Total 1911 Nantasket Maintenance Assessment due the Commonwealth. |
|---------------------|----------------------------------|--|---|
| Boston, | \$16,090 54 | —\$333 62 | \$15,756 92 |
| Cambridge, | 1,291 89 | —136 30 | 1,155 59 |
| Chelsea, | 288 62 | —29 03 | 259 59 |
| Everett, | 309 54 | +36 56 | 346 10 |
| Lynn, | 838 84 | +119 63 | 958 47 |
| Malden, | 509 71 | +85 49 | 595 20 |
| Medford, | 274 85 | —10 49 | 264 36 |
| Melrose, | 193 29 | —10 48 | 182 81 |
| Newton, | 915 37 | —2 69 | 912 68 |
| Quincy, | 346 61 | +39 78 | 386 39 |
| Somerville, | 740 61 | —15 59 | 725 02 |
| Waltham, | 323 57 | +24 20 | 347 77 |
| Woburn, | 131 86 | —15 06 | 116 80 |
| Arlington, | 136 36 | +3 76 | 140 12 |
| Belmont, | 77 58 | —3 22 | 74 36 |
| Braintree, | 73 35 | +5 38 | 78 73 |
| Brookline, | 1,341 94 | +26 34 | 1,368 28 |
| Canton, | 52 16 | —2 42 | 49 74 |
| Cohasset, | 95 32 | —1 61 | 93 71 |
| Dedham, | 161 25 | +12 37 | 173 62 |
| Dover, | 64 87 | +50 81 | 115 68 |
| Hingham, | 78 38 | +14 24 | 92 62 |
| Hull, | 63 55 | +7 26 | 70 81 |
| Hyde Park, | 170 26 | +10 75 | 181 01 |
| Milton, | 339 99 | +12 90 | 352 89 |
| Nahant, | 91 35 | —5 64 | 85 71 |
| Needham, | 69 64 | +14 78 | 84 42 |
| Revere, | 177 41 | +24 20 | 201 61 |
| Saugus, | 65 93 | +11 29 | 77 22 |
| Stoneham, | 58 78 | —7 80 | 50 98 |
| Swampscott, | 127 63 | —12 63 | 115 00 |
| Wakefield, | 109 62 | +1 35 | 110 97 |
| Watertown, | 175 29 | +9 14 | 184 43 |
| Wellesley, | 173 44 | +19 36 | 192 80 |
| Weston, | 99 03 | +9 14 | 108 17 |
| Westwood, | 30 98 | +2 15 | 33 13 |
| Weymouth, | 94 26 | +2 69 | 96 95 |
| Winchester, | 156 49 | +16 40 | 172 89 |
| Winthrop, | 138 48 | +26 61 | 165 09 |
| | \$26,478 64 { | + \$586 58 } —586 58 } | \$26,478 64 |

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Sinking Fund Requirements.

| CITIES AND TOWNS. | Parks. | Boulevards. | Nantasket. | Total. |
|---------------------|--------------|-------------|------------|--------------|
| Boston, | \$61,850 50 | \$14,405 37 | \$4,638 84 | \$80,894 71 |
| Cambridge, | 5,729 66 | 1,857 51 | 341 06 | 7,928 23 |
| Chelsea, | 1,499 49 | 132 87 | 76 60 | 1,708 96 |
| Everett, | 1,851 02 | 111 86 | 101 55 | 2,064 43 |
| Lynn, | 5,064 56 | 854 07 | 281 10 | 6,199 73 |
| Malden, | 2,894 70 | 717 47 | 174 48 | 3,786 65 |
| Medford, | 1,312 04 | 884 97 | 77 86 | 2,274 87 |
| Melrose, | 896 64 | 632 89 | 53 87 | 1,583 40 |
| Newton, | 3,623 98 | 792 14 | 268 56 | 4,684 68 |
| Quincy, | 1,951 54 | 2,058 97 | 113 38 | 4,123 89 |
| Somerville, | 3,942 18 | 874 44 | 213 44 | 5,030 06 |
| Waltham, | 1,706 85 | 301 28 | 102 15 | 2,110 28 |
| Woburn, | 689 24 | 101 90 | 34 49 | 825 63 |
| Arlington, | 681 42 | 531 95 | 41 20 | 1,254 57 |
| Belmont, | 346 90 | 293 53 | 21 91 | 662 34 |
| Braintree, | 83 64 | 67 83 | 23 12 | 174 59 |
| Brookline, | 4,713 79 | 1,188 12 | 402 40 | 6,304 31 |
| Canton, | 35 61 | 43 35 | 14 65 | 93 61 |
| Cohasset, | — | — | 27 59 | 27 59 |
| Dedham, | 743 63 | 150 95 | 50 99 | 945 57 |
| Dover, | 261 10 | 100 55 | 33 65 | 395 30 |
| Hingham, | 124 91 | 80 11 | 27 14 | 232 16 |
| Hull, | 81 30 | 61 13 | 20 78 | 163 21 |
| Hyde Park, | 912 27 | 454 95 | 53 18 | 1,420 40 |
| Milton, | 1,239 83 | 1,146 47 | 103 74 | 2,490 04 |
| Nahant, | 53 66 | 985 90 | 25 26 | 1,064 82 |
| Needham, | 382 38 | 73 41 | 24 73 | 480 52 |
| Revere, | 1,049 15 | 224 04 | 59 13 | 1,332 32 |
| Saugus, | 429 12 | 67 27 | 22 64 | 519 03 |
| Stoneham, | 307 55 | 73 36 | 15 07 | 395 98 |
| Swampscott, | 470 64 | 100 07 | 33 93 | 604 64 |
| Wakefield, | 597 34 | 95 89 | 32 64 | 725 87 |
| Watertown, | 856 93 | 160 09 | 54 20 | 1,071 22 |
| Wellesley, | 716 53 | 167 49 | 56 57 | 940 59 |
| Weston, | 378 57 | 93 51 | 31 76 | 503 84 |
| Westwood, | 36 30 | 28 72 | 9 72 | 74 74 |
| Weymouth, | 89 44 | 84 30 | 28 51 | 202 25 |
| Winchester, | 745 66 | 396 77 | 50 74 | 1,193 17 |
| Winthrop, | 753 93 | 142 50 | 48 37 | 944 80 |
| | \$109,104 00 | \$30,538 00 | \$7,791 00 | \$147,433 00 |

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Interest Requirements.

| CITIES AND TOWNS. | Parks. | Boulevards. | Nantasket. | Total. |
|-------------------|--------------|-------------|-------------|--------------|
| Boston, . . . | \$173,227 84 | \$42,279 82 | \$12,500 67 | \$228,008 33 |
| Cambridge, . . . | 16,054 04 | 5,430 76 | 918 12 | 22,402 92 |
| Chelsea, . . . | 4,205 35 | 419 43 | 206 22 | 4,831 00 |
| Everett, . . . | 5,199 49 | 380 30 | 274 05 | 5,853 84 |
| Lynn, . . . | 14,228 20 | 2,498 03 | 758 73 | 17,484 96 |
| Malden, . . . | 8,131 35 | 2,114 54 | 471 03 | 10,716 92 |
| Medford, . . . | 3,679 09 | 2,637 70 | 209 79 | 6,526 58 |
| Melrose, . . . | 2,513 66 | 1,836 39 | 145 11 | 4,495 16 |
| Newton, . . . | 10,152 96 | 2,325 50 | 723 87 | 13,202 33 |
| Quincy, . . . | 5,480 52 | 5,976 86 | 305 97 | 11,763 35 |
| Somerville, . . . | 11,061 42 | 2,568 74 | 575 19 | 14,205 35 |
| Waltham, . . . | 4,791 18 | 882 48 | 275 52 | 5,949 18 |
| Woburn, . . . | 1,932 92 | 300 27 | 92 82 | 2,326 01 |
| Arlington, . . . | 1,911 83 | 1,541 94 | 111 09 | 3,564 86 |
| Belmont, . . . | 972 38 | 851 14 | 59 01 | 1,882 53 |
| Braintree, . . . | 231 07 | 198 72 | 62 37 | 492 16 |
| Brookline, . . . | 13,197 67 | 3,485 53 | 1,084 86 | 17,768 06 |
| Canton, . . . | 96 60 | 127 42 | 39 48 | 263 50 |
| Cohasset, . . . | — | — | 74 34 | 74 34 |
| Dedham, . . . | 2,086 07 | 442 10 | 137 55 | 2,665 72 |
| Dover, . . . | 735 13 | 291 02 | 91 14 | 1,117 29 |
| Hingham, . . . | 347 63 | 234 04 | 73 29 | 654 96 |
| Hull, . . . | 225 27 | 178 86 | 56 07 | 460 20 |
| Hyde Park, . . . | 2,560 82 | 1,322 97 | 143 43 | 4,027 22 |
| Milton, . . . | 3,472 62 | 3,371 21 | 279 72 | 7,123 55 |
| Nahant, . . . | 144 47 | 2,859 54 | 68 04 | 3,072 05 |
| Needham, . . . | 1,074 21 | 214 26 | 66 78 | 1,355 25 |
| Revere, . . . | 2,947 13 | 725 06 | 159 60 | 3,831 79 |
| Saugus, . . . | 1,206 00 | 196 55 | 61 11 | 1,463 66 |
| Stoneham, . . . | 862 44 | 214 60 | 40 53 | 1,117 57 |
| Swampscott, . . . | 1,317 09 | 294 76 | 91 35 | 1,703 20 |
| Wakefield, . . . | 1,676 51 | 281 41 | 87 99 | 2,045 91 |
| Watertown, . . . | 2,404 34 | 469 18 | 146 16 | 3,019 68 |
| Wellesley, . . . | 2,009 31 | 490 09 | 152 67 | 2,652 07 |
| Weston, . . . | 1,061 00 | 273 78 | 85 68 | 1,420 46 |
| Westwood, . . . | 100 36 | 84 14 | 26 25 | 210 75 |
| Weymouth, . . . | 245 76 | 247 24 | 76 86 | 569 86 |
| Winchester, . . . | 2,092 44 | 1,180 39 | 136 92 | 3,409 75 |
| Winthrop, . . . | 2,117 71 | 416 21 | 130 62 | 2,664 54 |
| | \$305,753 88 | \$89,642 98 | \$21,000 00 | \$416,396 86 |

METROPOLITAN PARKS LOAN, INCLUDING BOULEVARDS AND NANTASKET.

Maintenance Requirements.

| CITIES AND TOWNS. | Parks. | Boulevards. | Nantasket. | Total. |
|-------------------|--------------|-------------|-------------|--------------|
| Boston, . . . | \$231,089 70 | \$44,588 05 | \$15,756 92 | \$291,434 67 |
| Cambridge, . . . | 21,518 03 | 5,757 53 | 1,155 59 | 28,431 15 |
| Chelsea, . . . | 5,696 21 | 399 95 | 259 59 | 6,355 75 |
| Everett, . . . | 7,168 89 | 326 19 | 346 10 | 7,841 18 |
| Lynn, . . . | 19,646 71 | 2,646 88 | 958 47 | 23,252 06 |
| Malden, . . . | 11,213 72 | 2,217 39 | 595 20 | 14,026 31 |
| Medford, . . . | 4,975 41 | 2,723 66 | 264 36 | 7,963 43 |
| Melrose, . . . | 3,389 97 | 1,967 11 | 182 81 | 5,539 89 |
| Newton, . . . | 13,591 50 | 2,451 61 | 912 68 | 16,955 79 |
| Quincy, . . . | 7,536 27 | 6,398 49 | 386 39 | 14,321 15 |
| Somerville, . . . | 15,066 30 | 2,705 71 | 725 02 | 18,497 03 |
| Waltham, . . . | 6,555 42 | 933 23 | 347 77 | 7,836 42 |
| Woburn, . . . | 2,617 40 | 314 89 | 116 80 | 3,049 09 |
| Arlington, . . . | 2,601 91 | 1,653 95 | 140 12 | 4,395 98 |
| Belmont, . . . | 1,309 31 | 912 51 | 74 36 | 2,296 18 |
| Braintree, . . . | 259 27 | 210 10 | 78 73 | 548 10 |
| Brookline, . . . | 17,536 99 | 3,678 16 | 1,368 28 | 22,583 43 |
| Canton, . . . | 80 90 | 134 10 | 49 74 | 264 74 |
| Cohasset, . . . | — | — | 93 71 | 93 71 |
| Dedham, . . . | 2,834 24 | 467 58 | 173 62 | 3,475 44 |
| Dover, . . . | 1,038 94 | 312 79 | 115 68 | 1,467 41 |
| Hingham, . . . | 430 40 | 248 39 | 92 62 | 771 41 |
| Hull, . . . | 263 24 | 189 42 | 70 81 | 523 47 |
| Hyde Park, . . . | 3,504 38 | 1,412 92 | 181 01 | 5,098 31 |
| Milton, . . . | 4,634 68 | 3,546 17 | 352 89 | 8,533 74 |
| Nahant, . . . | 104 23 | 3,064 74 | 85 71 | 3,254 68 |
| Needham, . . . | 1,482 56 | 227 67 | 84 42 | 1,794 65 |
| Revere, . . . | 4,064 75 | 667 41 | 201 61 | 4,933 77 |
| Saugus, . . . | 1,671 91 | 208 56 | 77 22 | 1,957 69 |
| Stoneham, . . . | 1,166 72 | 227 35 | 50 98 | 1,445 05 |
| Swampscott, . . . | 1,740 84 | 309 34 | 115 00 | 2,165 18 |
| Wakefield, . . . | 2,290 35 | 296 85 | 110 97 | 2,698 17 |
| Watertown, . . . | 3,272 90 | 495 77 | 184 43 | 3,953 10 |
| Wellesley, . . . | 2,718 81 | 519 02 | 192 80 | 3,430 63 |
| Weston, . . . | 1,426 66 | 289 70 | 108 17 | 1,824 53 |
| Westwood, . . . | 113 44 | 88 96 | 33 13 | 235 53 |
| Weymouth, . . . | 255 42 | 261 02 | 96 95 | 613 39 |
| Winchester, . . . | 2,852 90 | 1,221 96 | 172 89 | 4,247 75 |
| Winthrop, . . . | 2,918 83 | 441 86 | 165 09 | 3,525 78 |
| | \$410,640 11 | \$94,516 99 | \$26,478 64 | \$531,635 74 |

Wellington Bridge, Special Assessment.

| | Maintenance. | Per Cent. |
|-----------------------|--------------|-----------|
| Malden, | \$911 66 | 14 |
| Medford, | 1,237 26 | 19 |
| Reading, | 65 12 | 1 |
| Somerville, | 813 98 | 12½ |
| Stoneham, | 227 92 | 3½ |
| | \$3,255 94 | — |

Newton and Wellesley Bridge (Chapter 391, Acts of 1903).

| | Assessment. | Interest. | Total. |
|--------------------------------------|-------------|-----------|------------|
| Newton, | \$1,200 00 | \$42 00 | \$1,242 00 |
| Wellesley, | 600 00 | 21 00 | 621 00 |
| Middlesex County, | 500 00 | 17 50 | 517 50 |
| Norfolk County, | 500 00 | 17 50 | 517 50 |
| Boston & Worcester Street Railway, . | 400 00 | 14 00 | 414 00 |
| | \$3,200 00 | \$112 00 | \$3,312 00 |

Alewife Brook (Chapter 529 of the Acts of 1906, as amended by Chapter 529 of the Acts of 1907).

| CITIES AND TOWNS. | Assessment. | Interest. | Total. |
|-----------------------|-------------|------------|------------|
| Cambridge, | \$2,937 50 | \$594 03 | \$3,531 53 |
| Somerville, | 750 00 | 151 67 | 901 67 |
| Arlington, | 1,500 00 | 303 33 | 1,803 33 |
| Belmont, | 1,062 50 | 214 86 | 1,277 36 |
| | \$6,250 00 | \$1,263 89 | \$7,513 89 |

STATEMENT III.

METROPOLITAN SEWERAGE DISTRICT.

Debt, North System.

The gross metropolitan sewerage, north system, debt, April 1, 1911,
was \$6,563,000 00

showing no increase for the past year.

The sinking fund established for payment of same, April 1, 1911,
amounted to 1,260,807 82

an increase for the year of \$163,224.43.

The net metropolitan sewerage, north system, debt, April 1, 1911,
was \$5,302,192 18

a decrease for the year of \$163,224.43.

Assessments, North System.

Sinking fund, \$111,095 21

One year's interest on \$6,563,000, \$202,455 00

Six month's interest on \$113,000, omitted 1910, 1,977 50

\$204,432 50

Less interest on deposits, 1910, . . . \$2,323 53

Less interest on deposits, 1911, . . . 30 54

2,354 07

202,078 43

Maintenance, \$152,800 00

Less balance on hand, 2,662 31

150,137 69

Total north metropolitan sewerage assessment, \$463,311 33

METROPOLITAN SEWERAGE DISTRICT.

Debt, South System.

The gross metropolitan sewerage, south system, debt, April 1, 1911,
was \$8,877,912 00

showing no increase for the past year.

The sinking funds established for payment of same, April 1, 1911,
amounted to 693,017 65

an increase for the year of \$95,598.88.

The net metropolitan sewerage, south system, debt, April 1, 1911,
was \$8,184,894 35

a decrease for the year of \$95,598.88.

Assessments, South System.

Sinking fund, \$67,997 19

One year's interest on \$8,877,912, \$298,777 36

Interest on advances, estimated, 1911, 3,000 00

\$301,777 36

Less overestimate of interest on ad-
vances, 1910, \$2,425 08

Less interest on deposits, 21 66

2,446 74

299,330 62

Maintenance, \$101,800 00

Less balance on hand, 958 60

100,841 40

Total south metropolitan sewerage assessment, \$468,169 21

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, REQUIREMENTS.

| CITIES AND TOWNS. | Sinking Fund. | Maintenance. | Interest. | Total. |
|-------------------|---------------|--------------|--------------|--------------|
| Arlington, . . . | \$2,744 05 | \$3,212 95 | \$4,991 34 | \$10,948 34 |
| Belmont, . . . | 1,566 44 | 1,591 46 | 2,849 31 | 6,007 21 |
| Boston, . . . | 17,364 18 | 28,661 29 | 31,584 86 | 77,610 33 |
| Cambridge, . . . | 26,051 83 | 30,072 58 | 47,387 39 | 103,511 80 |
| Chelsea, . . . | 5,821 39 | 9,308 54 | 10,588 91 | 25,718 84 |
| Everett, . . . | 6,243 55 | 9,608 81 | 11,356 81 | 27,209 17 |
| Lexington, . . . | 1,088 73 | 1,141 05 | 1,980 37 | 4,210 15 |
| Malden, . . . | 10,276 31 | 12,731 67 | 18,692 25 | 41,700 23 |
| Medford, . . . | 5,543 65 | 6,636 09 | 10,083 71 | 22,263 45 |
| Melrose, . . . | 3,899 44 | 4,504 13 | 7,092 95 | 15,496 52 |
| Revere, . . . | 3,577 27 | 5,224 79 | 6,506 93 | 15,308 99 |
| Somerville, . . . | 14,931 20 | 22,160 32 | 27,159 34 | 64,250 86 |
| Stoneham, . . . | 1,177 61 | 2,026 86 | 2,142 03 | 5,346 50 |
| Wakefield, . . . | 2,210 79 | 3,273 00 | 4,021 36 | 9,505 15 |
| Winchester, . . . | 3,155 10 | 2,672 45 | 5,739 03 | 11,566 58 |
| Winthrop, . . . | 2,788 49 | 2,912 67 | 5,072 17 | 10,773 33 |
| Woburn, . . . | 2,655 18 | 4,399 03 | 4,829 67 | 11,883 88 |
| | \$111,095 21 | \$150,137 69 | \$202,078 43 | \$463,311 33 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM, SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1910. | Amount of Dec. 1, 1910, Sinking Fund at Maturity of Loan, Accumula- tions at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Require- ments for 1911. |
|--|---------------------|----------------------------------|---|----------------|---|---|
| \$5,330,000 (1,732,250) | Jan., 1930 Sunk. | \$1,137,642 14 | \$2,003,158 28 | \$5,059,091 72 | \$168,636 39 | \$98,667 43 |
| 465,000 (133,624) | Jan., 1930 Sunk. | 83,774 33 | 147,509 69 | 451,114 31 | 15,037 14 | 8,798 08 |
| 250,000 (25,000) | July, 1943 Sunk. | 10,405 80 | 27,388 49 | 247,611 51 | 3,095 14 | 1,211 49 |
| 50,000 (5,000) | Jan., 1943 Sunk. | 2,096 50 | 5,436 52 | 49,563 48 | 619 54 | 246 14 |
| 55,000 (4,584) | July, 1943 Sunk. | 3,662 89 | 9,640 87 | 49,943 13 | 1,040 48 | 407 27 |
| 300,000 (7,500) | Jan., 1949 Sunk. | 6,163 78 | 19,110 24 | 288,389 76 | 3,604 87 | 1,197 86 |
| 113,000 (1,413) | Jan. 1949 Sunk. | 882 91 | 2,737 38 | 111,675 62 | 1,706 15 | 566 94 |
| \$6,563,000 (1,909,371) | - Sunk. | \$1,244,628 35 | \$2,214,981 47 | \$6,257,389 53 | \$193,739 71 | \$111,095 21 |

METROPOLITAN SEWERAGE LOAN, NORTH SYSTEM.

| BONDS ISSUED. | Due Date. | Amount provided for. | Amount to be provided for. | 1911. |
|---------------|-----------|--|--|------------------|
| \$5,330,000 | 1930 | $\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$ | $\frac{9}{30} + \frac{3}{8}$ | $\frac{1}{30}$ |
| 265,000 | 1930 | $\frac{70}{240} + \frac{1}{30}$ | $\frac{9}{30} + \frac{3}{8}$ | $\frac{1}{30}$ |
| 200,000 | 1930 | $\frac{49}{240} + \frac{1}{30}$ | $\frac{9}{30} + \frac{111}{240}$ | $\frac{1}{30}$ |
| 300,000 | 1943 | $\frac{8}{80}$ | $\frac{2}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 55,000 | 1943 | $\frac{4}{48}$ | $\frac{2}{48} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{48}$ |
| 300,000 | 1949 | $\frac{2}{80}$ | $\frac{8}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 113,000 | 1949 | $\frac{1}{80}$ | $\frac{9}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{11}{720}$ |

NORTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1910 and the Census Returns of 1910. Assessment made by the Metropolitan Water and Sewerage Board.

| CITY OR TOWN. | State Valuation, Acts 1910, Chapter 357. | Proportion for Interest and Sinking Funds (Per Cent.). | Population State Census 1910. | Proportion for Maintenance and Operation (Per Cent.). |
|--------------------|---|---|-------------------------------------|--|
| Arlington, . . . | \$12,040,688 | 2.47 | 11,187 | 2.14 |
| Belmont, . . . | 6,854,544 | 1.41 | 5,542 | 1.06 |
| Boston, . . . | 76,051,300 | 15.63 | 99,932 | 19.09 |
| Charlestown, . . . | | | | |
| East Boston, . . . | | | | |
| Cambridge, . . . | 114,094,902 | 23.45 | 104,839 | 20.03 |
| Chelsea, . . . | 25,493,242 | 5.24 | 32,452 | 6.20 |
| Everett, . . . | 27,342,393 | 5.62 | 33,484 | 6.40 |
| Lexington, . . . | 4,795,170 ¹ | 0.98 | 4,000 ² | 0.76 |
| Malden, . . . | 45,004,522 | 9.25 | 44,404 | 8.48 |
| Medford, . . . | 24,264,078 | 4.99 | 23,150 | 4.42 |
| Melrose, . . . | 17,063,560 | 3.51 | 15,715 | 3.00 |
| Revere, . . . | 15,660,186 | 3.22 | 18,219 | 3.48 |
| Somerville, . . . | 65,411,419 | 13.44 | 77,236 | 14.76 |
| Stoneham, . . . | 5,182,026 | 1.06 | 7,090 | 1.35 |
| Wakefield, . . . | 9,671,533 | 1.99 | 11,404 | 2.18 |
| Winchester, . . . | 13,826,399 | 2.84 | 9,309 | 1.78 |
| Winthrop, . . . | 12,219,155 | 2.51 | 10,132 | 1.94 |
| Woburn, . . . | 11,638,886 | 2.39 | 15,308 | 2.93 |
| | \$486,614,003 | 100.00 | 523,403 | 100.00 |

¹ 55.49 per cent. of the town valuation derived from figures certified by the clerk of the board of assessors.

² Population of Lexington sewerage district, certified by the clerk of the board of assessors.

METROPOLITAN SEWERAGE LOAN.

South System.

| CITIES AND TOWNS. | Sinking Funds. | Maintenance. | Interest. | Total Assessment. |
|-------------------|----------------|--------------|--------------|-------------------|
| Boston, . . . | \$28,082 84 | \$50,672 80 | \$123,623 55 | \$202,379 19 |
| Brookline, . . . | 14,211 41 | 8,026 98 | 62,560 10 | 84,798 49 |
| Dedham, . . . | 1,645 53 | 2,682 38 | 7,243 80 | 11,571 71 |
| Hyde Park, . . . | 1,801 93 | 4,477 36 | 7,932 26 | 14,211 55 |
| Milton, . . . | 3,603 85 | 2,289 10 | 15,864 52 | 21,757 47 |
| Newton, . . . | 9,696 40 | 11,495 92 | 42,684 55 | 63,876 87 |
| Quincy, . . . | 3,671 85 | 9,428 67 | 16,163 85 | 29,264 37 |
| Waltham, . . . | 3,427 06 | 8,047 14 | 15,086 26 | 26,560 46 |
| Watertown, . . . | 1,856 32 | 3,721 05 | 8,171 73 | 13,749 10 |
| | \$67,997 19 | \$100,841 40 | \$299,330 62 | \$468,169 21 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM, SINKING FUND.

| BONDS ISSUED AND AMOUNTS ALREADY PROVIDED FOR. | Due Date. | Sinking Fund Dec. 1, 1910. | Amount of Dec. 1, 1910, Sinking Fund at Maturity of Loan, Accumulations at 3 Per Cent. | Balance. | Portion of Balance to be provided for this Year. | Sinking Fund Requirements for 1911. |
|--|------------------|----------------------------|--|----------------|--|-------------------------------------|
| \$800,000 (260,000) | Jan., 1930 Sunk. | \$168,055 68 | \$295,912 14 | \$764,087 86 | \$25,469 59 $\frac{1}{30}$ | \$14,902 00 |
| 839,000 (188,775) | Mar., 1935 Sunk. | 103,998 06 | 214,111 65 | 813,663 35 | 13,561 06 $\frac{1}{60}$ | 6,785 94 |
| 65,000 (13,541) | Mar., 1936 Sunk. | 7,162 53 | 15,191 95 | 63,349 05 | 1,055 81 $\frac{1}{60}$ | 512 83 |
| 1,024,912 (162,277) | July, 1939 Sunk. | 77,679 66 | 181,497 94 | 1,005,691 06 | 16,761 51 $\frac{1}{60}$ | 7,390 62 |
| 3,586,000 (508,016) | July, 1940 Sunk. | 231,134 85 | 556,367 70 | 3,537,648 30 | 58,960 80 $\frac{1}{60}$ | 25,234 75 |
| 996,000 (99,600) | Jan., 1943 Sunk. | 41,485 64 | 107,578 25 | 988,021 75 | 12,350 27 $\frac{1}{80}$ | 4,906 62 |
| 392,000 (32,666) | July, 1944 Sunk. | 12,565 99 | 34,073 87 | 390,592 13 | 5,424 89 $\frac{1}{72}$ | 2,061 10 |
| 175,000 (9,722) | Jan., 1946 Sunk. | 9,586 24 | 27,181 36 | 157,540 64 | 2,188 06 $\frac{1}{72}$ | 795 01 |
| 1,000,000 (46,875) | Jan., 1946 Sunk. | 33,231 07 | 94,225 24 | 952,649 76 | 14,885 15 $\frac{1}{64}$ | 5,408 32 |
| \$8,877,912 (1,321,472) | - Sunk. | \$684,899 72 | \$1,526,140 10 | \$8,673,243 90 | \$150,657 14 | \$67,997 19 |

METROPOLITAN SEWERAGE LOAN, SOUTH SYSTEM.

Amounts provided for and to be provided for.

| DUE DATES. | Bonds issued. | Amount provided for. | Amount to be provided for. | 1911. |
|-----------------|---------------|--|--|----------------|
| 1930, | \$800,000 | $\frac{1}{8} + \frac{1}{6} + \frac{1}{30}$ | $\frac{9}{30} + \frac{3}{8}$ | $\frac{1}{30}$ |
| 1935, | 839,000 | $\frac{1}{8} + \frac{6}{60}$ | $\frac{4}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1936, | 65,000 | $\frac{1}{8} + \frac{5}{60}$ | $\frac{5}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1939, | 1,024,912 | $\frac{1}{8} + \frac{2}{60}$ | $\frac{8}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1940, | 3,586,000 | $\frac{1}{8} + \frac{1}{60}$ | $\frac{9}{60} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{60}$ |
| 1943, | 996,000 | $\frac{8}{80}$ | $\frac{2}{80} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{80}$ |
| 1944, | 392,000 | $\frac{6}{72}$ | $\frac{3}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| 1946, | 175,000 | $\frac{4}{72}$ | $\frac{5}{72} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{72}$ |
| 1946, | 1,000,000 | $\frac{3}{64}$ | $\frac{5}{64} + \frac{1}{6} + \frac{1}{3} + \frac{3}{8}$ | $\frac{1}{64}$ |

SOUTH METROPOLITAN SYSTEM.

Ratios of Contribution on the Basis of the Valuations of 1910 and the Census Returns of 1910. Assessment made by the Metropolitan Water and Sewerage Board.

| CITY OR TOWN. | State Valuation, Acts 1910, Chapter 357. | Proportion for Interest and Sinking Funds (Per Cent.). | Population State Census 1910. | Proportion for Maintenance and Operation (Per Cent.). |
|----------------------------------|--|--|-------------------------------|---|
| Waltham, | \$28,563,213 | 5.04 | 27,834 | 7.98 |
| Watertown, | 15,479,139 | 2.73 | 12,875 | 3.69 |
| Newton, | 80,837,081 | 14.26 | 39,806 | 11.40 |
| Boston, | 234,192,300 | 41 30 | 175,431 | 50 25 |
| Brighton District, | 36,092,700 | — | 26,575 | — |
| Back Bay District, | 59,454,800 | — | 18,048 | — |
| Roxbury District, | 46,642,000 | — | 45,957 | — |
| West Roxbury District, | 39,895,000 | — | 28,608 | — |
| Dorchester District, | 52,107,800 | — | 56,243 | — |
| Brookline, | 118,513,924 | 20 90 | 27,792 | 7.96 |
| Dedham, | 13,732,094 ¹ | 2.42 | 9,284 | 2.66 |
| Hyde Park, | 15,041,961 | 2.65 | 15,507 | 4.44 |
| Milton, | 30,027,548 | 5.30 | 7,924 | 2.27 |
| Quincy, | 30,606,390 | 5.40 | 32,642 | 9.35 |
| | \$566,993,650 | 100.00 | \$349,095 | 100.00 |

¹ 96.38 per cent. of the town valuation, derived from figures certified by the clerk of the board of assessors.

METROPOLITAN PARKS AND SEWERAGE LOANS.

Comparison of Assessments, 1910 and 1911.

| CITIES AND TOWNS. | PARKS. | | SEWER. | |
|-------------------|----------------|-----------------------------|--------------|--------------|
| | 1910. | 1911. | 1910. | 1911. |
| Boston, . . . | \$685,093 37 | \$601,526 77 | \$269,658 61 | \$279,989 52 |
| Cambridge, . . . | 60,573 68 | 62,400 39 | 99,695 56 | 103,511 80 |
| Chelsea, . . . | 16,633 75 | 12,921 49 | 26,911 34 | 25,718 84 |
| Everett, . . . | 18,304 86 | 15,786 81 | 25,610 54 | 27,209 17 |
| Lynn, . . . | 30,330 46 | 47,010 57 | — | — |
| Malden, . . . | 22,442 80 | 29,484 24 | 39,209 87 | 41,700 23 |
| Medford, . . . | 30,973 21 | 18,024 98 | 20,901 64 | 22,263 45 |
| Melrose, . . . | 8,494 76 | 11,634 39 | 14,834 95 | 15,496 52 |
| Newton, . . . | 39,577 62 | 36,152 80 | 63,310 01 | 63,876 87 |
| Quincy, . . . | 15,379 35 | 30,237 95 | 28,372 01 | 29,264 37 |
| Somerville, . . . | 39,029 67 | 39,512 91 | 61,151 21 | 64,250 86 |
| Waltham, . . . | 12,503 46 | 15,922 90 | 26,502 34 | 26,560 46 |
| Woburn, . . . | 6,117 47 | 6,212 61 | 11,505 50 | 11,883 88 |
| Arlington, . . . | 5,537 80 | 11,030 02 | 10,319 02 | 10,948 34 |
| Belmont, . . . | 3,369 12 | 6,124 65 | 5,545 04 | 6,007 21 |
| Braintree, . . . | 2,840 73 | 1,218 19 | — | — |
| Brookline, . . . | 54,898 40 | 46,748 86 | 83,289 83 | 84,798 49 |
| Canton, . . . | 2,266 69 | 624 23 | — | — |
| Cohasset, . . . | 203 44 | 195 64 | — | — |
| Dedham, . . . | 6,228 09 | 7,099 21 | 11,219 96 | 11,571 71 |
| Dover, . . . | 616 47 | 2,982 96 | — | — |
| Hingham, . . . | 2,687 68 | 1,662 11 | — | — |
| Hull, . . . | 2,354 19 | 1,149 76 | — | — |
| Hyde Park, . . . | 7,011 87 | 10,560 35 | 14,148 98 | 14,211 55 |
| Lexington, . . . | — | — | 4,066 79 | 4,210 15 |
| Milton, . . . | 20,582 01 | 18,171 09 | 21,468 88 | 21,757 47 |
| Nahant, . . . | 5,222 82 | 7,395 71 | — | — |
| Needham, . . . | 2,298 61 | 3,636 02 | — | — |
| Reading, . . . | 453 70 | 65 12 | — | — |
| Revere, . . . | 17,144 88 | 10,113 34 | 13,481 40 | 15,308 99 |
| Saugus, . . . | 2,289 20 | 3,946 40 | — | — |
| Stoneham, . . . | 4,359 42 | 3,191 86 | 5,084 89 | 5,346 50 |
| Swampscott, . . . | 5,843 89 | 4,482 64 | — | — |
| Wakefield, . . . | 4,514 01 | 5,479 53 | 9,057 67 | 9,505 15 |
| Watertown, . . . | 6,933 19 | 8,058 16 | 13,430 95 | 13,749 10 |
| Wellesley, . . . | 7,079 27 | 7,656 71 | — | — |
| Weston, . . . | 3,753 90 | 3,755 71 | — | — |
| Westwood, . . . | 1,200 47 | 522 44 | — | — |
| Weymouth, . . . | 3,818 86 | 1,389 78 | — | — |
| Winchester, . . . | 10,140 63 | 8,862 83 | 11,008 98 | 11,566 58 |
| Winthrop, . . . | 4,689 60 | 7,146 30 | 9,662 19 | 10,773 33 |
| | \$1,173,793 40 | \$1,110,098 43 ¹ | \$899,448 16 | \$931,480 54 |

¹ Includes \$12,632.83 special assessments for Wellington and Wellesley Bridges also Alewife Brook.

CHARLES RIVER BASIN LOAN.

| CITY OR TOWN. | Sinking Fund Re- quirement. | Interest Re- quirement. | Cost of Mainte- nance. | Serial Bonds. | Total Assess- ment. |
|----------------------------|-----------------------------------|-------------------------------|------------------------------|------------------|---------------------------|
| Boston, { Bridge, . . . | \$33,004 03 | \$74,602 38 | \$56,092 79 | \$4,801 68 | \$476,001 28 |
| { District, . . . | 66,823 52 | 240,676 88 | | | |
| Cambridge, { Bridge, . . . | 33,004 02 | 74,602 38 | 4,504 01 | 760 08 | 161,546 14 |
| { District, . . . | 10,577 80 | 38,097 85 | | | |
| Chelsea, | 1,087 73 | 3,917 65 | 1,006 21 | 78 16 | 6,089 75 |
| Everett, | 1,166 78 | 4,202 35 | 1,078 87 | 83 84 | 6,531 84 |
| Lynn, | 3,162 99 | 11,392 06 | 2,924 80 | 227 28 | 17,707 13 |
| Malden, | 1,921 62 | 6,921 05 | 1,776 96 | 138 08 | 10,757 71 |
| Medford, | 1,035 40 | 3,729 19 | 957 46 | 74 40 | 5,796 45 |
| Melrose, | 728 12 | 2,622 46 | 673 26 | 52 32 | 4,076 16 |
| Newton, | 3,450 23 | 12,426 61 | 3,190 61 | 247 92 | 19,315 37 |
| Quincy, | 1,305 94 | 4,703 59 | 1,207 63 | 93 84 | 7,311 00 |
| Somerville, | 2,792 25 | 10,056 77 | 2,581 74 | 200 64 | 15,631 40 |
| Waltham, | 1,219 10 | 4,390 82 | 1,127 62 | 87 60 | 6,825 14 |
| Woburn, | 497 66 | 1,792 42 | 459 87 | 35 76 | 2,785 71 |
| Arlington, | 514 36 | 1,852 56 | 475 51 | 36 96 | 2,879 39 |
| Belmont, | 292 81 | 1,054 60 | 270 41 | 21 04 | 1,638 86 |
| Braintree, | 276 11 | 994 45 | 255 69 | 19 84 | 1,546 09 |
| Brookline, | 5,060 11 | 18,224 89 | 4,678 77 | 363 60 | 28,327 37 |
| Canton, | 197 06 | 709 75 | 182 11 | 14 16 | 1,103 08 |
| Dedham, | 609 00 | 2,193 40 | 562 89 | 43 76 | 3,409 05 |
| Dover, | 244 93 | 882 17 | 226 26 | 17 60 | 1,370 96 |
| Hingham, | 296 15 | 1,066 63 | 274 08 | 21 28 | 1,658 14 |
| Hull, | 239 37 | 862 12 | 221 66 | 17 20 | 1,340 35 |
| Hyde Park, | 642 39 | 2,313 70 | 594 16 | 46 16 | 3,596 41 |
| Milton, | 1,282 56 | 4,619 38 | 1,185 56 | 92 16 | 7,179 66 |
| Nahant, | 345 13 | 1,243 06 | 319 15 | 24 80 | 1,932 14 |
| Needham, | 262 75 | 946 33 | 242 81 | 18 88 | 1,470 77 |
| Revere, | 668 00 | 2,405 93 | 618 07 | 48 00 | 3,740 00 |
| Saugus, | 248 27 | 894 20 | 229 94 | 17 84 | 1,390 25 |
| Stoneham, | 220 44 | 793 96 | 204 18 | 15 84 | 1,234 42 |
| Swampscott, | 480 96 | 1,732 27 | 445 16 | 34 56 | 2,692 95 |
| Wakefield, | 413 05 | 1,487 66 | 381 70 | 29 68 | 2,312 09 |
| Watertown, | 660 21 | 2,377 86 | 610 71 | 47 44 | 3,696 22 |
| Wellesley, | 654 64 | 2,357 81 | 605 20 | 47 04 | 3,664 69 |
| Weston, | 372 97 | 1,343 31 | 344 91 | 26 80 | 2,087 99 |
| Westwood, | 116 90 | 421 04 | 108 53 | 8 40 | 654 87 |
| Weymouth, | 355 15 | 1,279 15 | 328 35 | 25 52 | 1,988 17 |
| Winchester, | 590 07 | 2,125 24 | 545 41 | 42 40 | 3,303 12 |
| Winthrop, | 521 04 | 1,876 62 | 481 95 | 37 44 | 2,917 05 |
| | \$177,341 62 | \$550,192 55 | \$91,975 00 | \$8,000 00 | \$827,509 17 |

STATEMENT OF THE DEBTS OF THE METRO

| | | METROPOLITAN PARKS. | | METROPOLITAN PARKS. NANTASKET. | | METROPOLITAN PARKS BOULEVARDS. | |
|--|-----------------------|------------------------|----------------|--------------------------------------|--------------|--------------------------------------|----------------|
| Bonds outstanding under sinking fund system of payment, | | \$8,785,000 00 | | \$700,000 00 | | \$2,567,500 00 | |
| Bonds outstanding under serial pay- ment plan, | | 50,000 00 | | — | | — | |
| Gross debt, | | \$8,835,000 00 | | \$700,000 00 | | \$2,567,500 00 | |
| Sinking funds, | | 1,962,439 91 | | 153,599 38 | | 505,407 18 | |
| Net debt, | | \$6,872,560 09 | | \$546,400 62 | | \$2,062,092 82 | |
| | | Per Cent. | | Per Cent. | | Per Cent. | |
| 1 | Arlington, | .00564 | \$38,761 24 | .00515 | \$2,813 96 | .01057 | \$21,796 32 |
| 2 | Belmont, | .00312 | 21,442 39 | .00293 | 1,600 95 | .00594 | 12,248 83 |
| 3 | Boston, | .59453 | 4,085,943 15 | .60768 | 332,036 73 | .46943 | 968,008 23 |
| 4 | Braintree, | .00167 | 11,477 17 | .00277 | 1,513 53 | .00208 | 4,289 15 |
| 5 | Brookline, | .04653 | 319,780 22 | .05068 | 27,691 58 | .03815 | 78,668 84 |
| 6 | Cambridge, | .05328 | 366,170 00 | .04879 | 26,658 89 | .05317 | 109,641 47 |
| 7 | Canton, | .00119 | 8,178 35 | .00197 | 1,076 41 | .00148 | 3,051 90 |
| 8 | Chelsea, | .01289 | 88,587 30 | .01090 | 5,955 77 | .01463 | 30,168 42 |
| 9 | Cohasset, | — | — | .00360 | 1,967 04 | — | — |
| 10 | Dedham, | .00624 | 42,884 77 | .00609 | 3,327 58 | .00459 | 9,465 01 |
| 11 | Dover, | .00148 | 10,171 39 | .00245 | 1,338 68 | .00185 | 3,814 87 |
| 12 | Everett, | .01368 | 94,016 62 | .01169 | 6,387 42 | .02184 | 45,036 11 |
| 13 | Hingham, | .00179 | 12,301 88 | .00296 | 1,617 35 | .00223 | 4,598 47 |
| 14 | Hull, | .00144 | 9,896 49 | .00240 | 1,311 36 | .00180 | 3,711 77 |
| 15 | Hyde Park, | .00721 | 49,551 16 | .00643 | 3,513 36 | .01052 | 21,693 22 |
| 16 | Lexington, | — | — | — | — | — | — |
| 17 | Lynn, | .03691 | 253,666 19 | .03168 | 17,309 97 | .02480 | 51,139 90 |
| 18 | Malden, | .02135 | 146,729 16 | .01925 | 10,518 21 | .02644 | 54,521 73 |
| 19 | Medford, | .01142 | 78,484 64 | .01038 | 5,671 64 | .04294 | 88,546 27 |
| 20 | Melrose, | .00797 | 54,774 30 | .00730 | 3,988 72 | .01322 | 27,260 87 |
| 21 | Milton, | .01188 | 81,646 01 | .01284 | 7,015 78 | .03957 | 81,597 01 |
| 22 | Nahant, | .00208 | 14,294 92 | .00345 | 1,885 08 | .02020 | 41,654 27 |
| 23 | Needham, | .00280 | 19,243 17 | .00263 | 1,437 03 | .00198 | 4,082 94 |
| 24 | Newton, | .03400 | 233,667 04 | .03457 | 18,889 07 | .02602 | 53,655 66 |
| 25 | Quincy, | .01478 | 101,576 44 | .01309 | 7,152 38 | .04393 | 90,587 74 |
| 26 | Revere, | .00773 | 53,124 89 | .00670 | 3,660 88 | .03093 | 63,780 53 |
| 27 | Saugus, | .00301 | 20,686 40 | .00249 | 1,360 54 | .00188 | 3,876 73 |
| 28 | Somerville, | .03241 | 222,739 67 | .02797 | 15,282 83 | .02929 | 60,398 70 |
| 29 | Stoneham, | .00267 | 18,349 74 | .00222 | 1,213 01 | .00214 | 4,412 88 |
| 30 | Swampscott, | .00481 | 33,057 01 | .00482 | 2,633 65 | .00363 | 7,485 40 |
| 31 | Wakefield, | .00479 | 32,919 56 | .00414 | 2,262 10 | .00311 | 6,413 11 |
| 32 | Waltham, | .01351 | 92,848 29 | .01222 | 6,677 02 | .00919 | 18,950 63 |
| 33 | Watertown, | .00708 | 48,657 73 | .00662 | 3,617 17 | .00498 | 10,269 22 |
| 34 | Wellesley, | .00621 | 42,678 60 | .00655 | 3,578 92 | .00493 | 10,166 12 |
| 35 | Weston, | .00344 | 23,641 61 | .00374 | 2,043 54 | .00281 | 5,794 48 |
| 36 | Westwood, | .00071 | 4,879 52 | .00117 | 639 29 | .00088 | 1,814 64 |
| 37 | Weymouth, | .00214 | 14,707 28 | .00356 | 1,945 19 | .00268 | 5,526 41 |
| 38 | Winchester, | .00608 | 41,785 17 | .00591 | 3,229 23 | .01849 | 38,128 10 |
| 39 | Winthrop, | .00559 | 38,417 61 | .00523 | 2,857 68 | .00393 | 8,104 02 |
| 40 | Woburn, | .00594 | 40,823 01 | .00498 | 2,721 08 | .00375 | 7,732 85 |
| | | 1.00000 | \$6,872,560 09 | 1.00000 | \$546,400 62 | 1.00000 | \$2,062,092 82 |

POLITAN DISTRICT (ACTS OF 1911, CHAPTER 526).

| METROPOLITAN SEWERAGE, NORTH SYSTEM. | | METROPOLITAN SEWERAGE, SOUTH SYSTEM. | | METROPOLITAN WATER. | | CHARLES RIVER BASIN. | | | |
|--|----------------|--|----------------|------------------------|-----------------|-------------------------|----------------|-----------------|----|
| \$6,563,000 00 | | \$8,877,912 00 | | \$41,398,000 00 | | \$4,125,000 00 | | TOTALS. | |
| - | | - | | 200,000 00 | | 300,000 00 | | | |
| \$6,563,000 00 | | \$8,877,912 00 | | \$41,598,000 00 | | \$4,425,000 00 | | | |
| 1,267,078 70 | | 697,016 64 | | 8,229,772 44 | | 337,422 48 | | | |
| \$5,295,921 30 | | \$8,180,895 36 | | \$33,368,227 56 | | \$4,087,577 52* | | | |
| | | | | | | 2,244,603 45† | | | |
| Per Cent. | | Per Cent. | | Per Cent. | | Per Cent. | | | |
| 2.47 | \$130,809 26 | - | - | .007822257 | \$261,014 85 | .00462 | \$10,370 07 | \$465,565 70 | 1 |
| 1.41 | 74,672 49 | - | - | .003188925 | 106,408 78 | .00263 | 5,903 31 | 222,276 75 | 2 |
| 15.63 | 827,752 50 | 41.30 | \$3,378,709 78 | .782402781 | 26,107,394 04 | .60021 | *2,638,175 44 | 38,338,019 87 | 3 |
| - | - | - | - | - | - | .00248 | 5,566 62 | 22,846 47 | 4 |
| - | - | 20.90 | 1,709,807 13 | - | - | .04545 | 102,017 23 | 2,237,965 00 | 5 |
| 23.45 | 1,241,893 54 | - | - | - | - | .09501 | *765,291 84 | 2,509,655 74 | 6 |
| - | - | - | - | - | - | .00177 | 3,972 95 | 16,279 61 | 7 |
| 5.24 | 277,506 28 | - | - | .021709802 | 724,417 61 | .00977 | 21,929 78 | 1,148,565 16 | 8 |
| - | - | - | - | - | - | - | - | 1,967 04 | 9 |
| - | - | 2.42 | 197,977 67 | - | - | .00547 | 12,277 98 | 265,933 01 | 10 |
| - | - | - | - | - | - | .00220 | 4,938 13 | 20,263 07 | 11 |
| 5.62 | 297,630 78 | - | - | .020558127 | 685,988 27 | .01048 | 23,523 44 | 1,152,582 64 | 12 |
| - | - | - | - | - | - | .00266 | 5,970 64 | 24,488 34 | 13 |
| - | - | - | - | - | - | .00215 | 4,825 90 | 19,745 52 | 14 |
| - | - | 2.65 | 216,793 73 | .000552261 | 18,427 97 | .00577 | 12,951 36 | 322,930 80 | 15 |
| 0.98 | 51,900 03 | - | - | .003531279 | 117,832 52 | - | - | 169,732 55 | 16 |
| - | - | - | - | - | - | .02841 | 63,769 18 | 385,885 24 | 17 |
| 9.25 | 489,872 72 | - | - | .018785958 | 626,854 12 | .01726 | 38,741 86 | 1,367,237 80 | 18 |
| 4.99 | 264,266 47 | - | - | .012927107 | 431,354 65 | .00930 | 20,874 81 | 889,198 48 | 19 |
| 3.51 | 185,886 84 | - | - | .009087008 | 303,217 35 | .00654 | 14,679 71 | 589,807 79 | 20 |
| - | - | 5.30 | 433,587 45 | .006873493 | 229,356 28 | .01152 | 25,857 83 | 859,060 36 | 21 |
| - | - | - | - | .002275357 | 75,924 63 | .00310 | 6,958 27 | 140,717 17 | 22 |
| - | - | - | - | - | - | .00236 | 5,297 26 | 30,060 40 | 23 |
| - | - | 14.26 | 1,166,595 68 | .002776196 | 92,636 74 | .03099 | 69,560 26 | 1,635,004 45 | 24 |
| - | - | 5.40 | 441,768 35 | .023321867 | 778,209 36 | .01173 | 26,329 20 | 1,445,623 47 | 25 |
| 3.22 | 170,528 67 | - | - | .011153924 | 372,186 67 | .00600 | 13,467 62 | 676,749 26 | 26 |
| - | - | - | - | - | - | .00223 | 5,005 47 | 30,929 14 | 27 |
| 13.44 | 711,771 82 | - | - | .049332710 | 1,646,145 09 | .02508 | 56,294 65 | 2,712,632 76 | 28 |
| 1.06 | 56,136 77 | - | - | .004824335 | 160,979 51 | .00198 | 4,444 31 | 245,536 22 | 29 |
| - | - | - | - | .004565455 | 152,341 14 | .00432 | 9,696 69 | 205,213 89 | 30 |
| 1.99 | 105,388 83 | - | - | - | - | .00371 | 8,327 48 | 155,311 08 | 31 |
| - | - | 5.04 | 412,317 13 | - | - | .01095 | 24,578 41 | 555,371 48 | 32 |
| - | - | 2.73 | 223,338 44 | .007959204 | 265,584 53 | .00593 | 13,310 50 | 564,777 59 | 33 |
| - | - | - | - | - | - | .00588 | 13,198 27 | 69,621 91 | 34 |
| - | - | - | - | - | - | .00335 | 7,519 42 | 38,999 05 | 35 |
| - | - | - | - | - | - | .00105 | 2,356 83 | 9,690 28 | 36 |
| - | - | - | - | - | - | .00319 | 7,160 28 | 29,339 16 | 37 |
| 2.84 | 150,404 16 | - | - | - | - | .00530 | 11,896 40 | 245,443 06 | 38 |
| 2.51 | 132,927 62 | - | - | .006351954 | 211,953 45 | .00468 | 10,504 74 | 404,765 12 | 39 |
| 2.39 | 126,572 52 | - | - | - | - | .00447 | 10,033 38 | 187,882 84 | 40 |
| 100.00 | \$5,295,921 30 | 100.00 | \$8,180,895 36 | 1.000000000 | \$33,368,227 56 | 1.00000 | \$4,087,577 52 | \$60,413,675 27 | |

* See next page for detail.

† District proportion.

CHARLES RIVER BASIN DEBT ANALYZED.

| | Total. | Cambridge, Craigie Bridge. | Boston, Craigie Bridge. | Boston, Em- bankment. | Boston, Advanced As- sessments, District. | District. |
|---------------|----------------|----------------------------------|-------------------------------|-----------------------------|---|----------------|
| Gross debt, . | \$4,425,000 00 | \$600,000 00 | \$600,000 00 | \$847,636 43 | — | \$2,377,363 57 |
| Sinking fund, | 337,422 48 | 47,967 93 | 47,967 93 | — | \$108,726 50 | 132,760 12 |
| Net debt,. | \$4,087,577 52 | \$552,032 07 | \$552,032 07 | \$847,636 43 | \$108,726 50 | \$2,244,603 45 |

| | | | | | | |
|--|---|---|---|---|----------------------|--|
| Boston, Craigie bridge, | . | . | . | . | \$552,032 07 | |
| Embankment, | . | . | . | . | 847,636 43 | |
| District, | . | . | . | . | \$1,347,233 44 | |
| Less sinking fund advance assessment, | . | . | . | . | 108,726 50 | |
| | | | | | ————— 1,238,506 94 | |
| | | | | | ————— \$2,638,175 44 | |
| Cambridge, Craigie bridge, | . | . | . | . | \$552,032 07 | |
| District, | . | . | . | . | 213,259 77 | |
| | | | | | ————— \$765,291 84 | |

SINKING FUND TABLE.

One dollar put in each year, with interest at the rate of 3 per cent. per annum, compounded semi-annually, amounts to the following in from 1 to 50 years, both inclusive:—

To find what amount must be put in each year to sink a given sum at maturity, divide the sum to be sunk by the figures which stand against the number of years and the result will be the amount necessary.

For instance, to find the amount necessary each year, to sink three hundred thousand dollars (\$300,000) in thirty years, divide \$300,000 by 49.19242586.

| | | | | | |
|----------------------------|---|-------------|----------------------------|---|-------------|
| \$1 for 1 year | = | 1.03022500 | \$1 each year for 19 years | = | 25.93195699 |
| \$1 in 2 years | = | 1.06136355 | \$1 in 20 years | = | 1.81401838 |
| \$1 each year for 2 years | = | 2.09158855 | \$1 each year for 20 years | = | 27.74597537 |
| \$1 in 3 years | = | 1.09344326 | \$1 in 21 years | = | 1.86884708 |
| \$1 each year for 3 years | = | 3.18503181 | \$1 each year for 21 years | = | 29.61482245 |
| \$1 in 4 years | = | 1.12649258 | \$1 in 22 years | = | 1.92533299 |
| \$1 each year for 4 years | = | 4.31152439 | \$1 each year for 22 years | = | 31.54015544 |
| \$1 in 5 years | = | 1.16054082 | \$1 in 23 years | = | 1.98352617 |
| \$1 each year for 5 years | = | 5.47206521 | \$1 each year for 23 years | = | 33.52368161 |
| \$1 in 6 years | = | 1.19561816 | \$1 in 24 years | = | 2.04347825 |
| \$1 each year for 6 years | = | 6.66768337 | \$1 each year for 24 years | = | 35.56715986 |
| \$1 in 7 years | = | 1.23175572 | \$1 in 25 years | = | 2.10524238 |
| \$1 each year for 7 years | = | 7.89943909 | \$1 each year for 25 years | = | 37.67240224 |
| \$1 in 8 years | = | 1.26898553 | \$1 in 26 years | = | 2.16887333 |
| \$1 each year for 8 years | = | 9.16842462 | \$1 each year for 26 years | = | 39.84127557 |
| \$1 in 9 years | = | 1.30734062 | \$1 in 27 years | = | 2.23442753 |
| \$1 each year for 9 years | = | 10.47576524 | \$1 each year for 27 years | = | 42.07570310 |
| \$1 in 10 years | = | 1.34685499 | \$1 in 28 years | = | 2.30196310 |
| \$1 each year for 10 years | = | 11.82262023 | \$1 each year for 28 years | = | 44.37766620 |
| \$1 in 11 years | = | 1.38756368 | \$1 in 29 years | = | 2.37153993 |
| \$1 each year for 11 years | = | 13.21018391 | \$1 each year for 29 years | = | 46.74920613 |
| \$1 in 12 years | = | 1.42950279 | \$1 in 30 years | = | 2.44321973 |
| \$1 each year for 12 years | = | 14.63968670 | \$1 each year for 30 years | = | 49.19242586 |
| \$1 in 13 years | = | 1.47270952 | \$1 in 31 years | = | 2.51706605 |
| \$1 each year for 13 years | = | 16.11239622 | \$1 each year for 31 years | = | 51.70949191 |
| \$1 in 14 years | = | 1.51722216 | \$1 in 32 years | = | 2.59314437 |
| \$1 each year for 14 years | = | 17.62961838 | \$1 each year for 32 years | = | 54.30263628 |
| \$1 in 15 years | = | 1.56308020 | \$1 in 33 years | = | 2.67152215 |
| \$1 each year for 15 years | = | 19.19269858 | \$1 each year for 33 years | = | 56.97415843 |
| \$1 in 16 years | = | 1.61032430 | \$1 in 34 years | = | 2.75226890 |
| \$1 each year for 16 years | = | 20.80302288 | \$1 each year for 34 years | = | 59.72642733 |
| \$1 in 17 years | = | 1.65899635 | \$1 in 35 years | = | 2.83545622 |
| \$1 each year for 17 years | = | 22.46201923 | \$1 each year for 35 years | = | 62.56188355 |
| \$1 in 18 years | = | 1.70913951 | \$1 in 36 years | = | 2.92115788 |
| \$1 each year for 18 years | = | 24.17115874 | \$1 each year for 36 years | = | 65.48304143 |
| \$1 in 19 years | = | 1.76079825 | \$1 in 37 years | = | 3.00944986 |
| \$1 each year for 19 years | = | 25.93195699 | \$1 each year for 37 years | = | 68.49249129 |

SINKING FUND TABLE — *Concluded.*

| | |
|--|---|
| \$1 each year for 37 years = 68.49249129 | \$1 each year for 44 years = 92.26545692 |
| \$1 in 38 years = 3.10041047 | \$1 in 45 years = 3.81894828 |
| \$1 each year for 38 years = 71.59290176 | \$1 each year for 45 years = 96.08440520 |
| \$1 in 39 years = 3.19412036 | \$1 in 46 years = 3.93437598 |
| \$1 each year for 39 years = 74.78702212 | \$1 each year for 46 years = 100.01878118 |
| \$1 in 40 years = 3.29066264 | \$1 in 47 years = 4.05329248 |
| \$1 each year for 40 years = 78.07768476 | \$1 each year for 47 years = 104.07207366 |
| \$1 in 41 years = 3.39012290 | \$1 in 48 years = 4.17580323 |
| \$1 each year for 41 years = 81.46780766 | \$1 each year for 48 years = 108.24787689 |
| \$1 in 42 years = 3.49258936 | \$1 in 49 years = 4.30201689 |
| \$1 each year for 42 years = 84.96039702 | \$1 each year for 49 years = 112.54989378 |
| \$1 in 43 years = 3.59815287 | \$1 in 50 years = 4.43204535 |
| \$1 each year for 43 years = 88.55854989 | \$1 each year for 50 years = 116.98193913 |
| \$1 in 44 years = 3.70690703 | |
| \$1 each year for 44 years = 92.26545692 | |

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